req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
1.2.1	ACMS Purpose	The ACMS will provide the Army with a next-generation configuration management and product data management system. It will enable greater access to and sharing of enterprise product data in support of Integrated Product Teams (IPTs), reprocurement activities, engineering change processing, operations and maintenance activities, and disposal activities. The primary enhancements ACMS will provide include the following:	From: engineering change processing, operations and maintenance activities, and ... To: engineering change processing, operations, maintenance, and disposal activities. Explanation: clarification	The ACMS will provide the Army with a next-generation configuration management and product data management system. It will enable greater access to and sharing of enterprise product data in support of Integrated Product Teams (IPTs); engineering change action processing; and reprocurement, operations, maintenance, and disposal activities. The primary enhancements ACMS will provide include the following:	Accept with modification. Replaced phrase with, "in support of Integrated Product Teams (IPTs); engineering change action processing; and reprocurement, operations, maintenance, and disposal activities."	G Booker/C Crawford	AMCOM
1.2.1-1	ACMS Purpose	Storage and Use. ACMS will extend the data types stored and managed to include, for example, engineering models, simulations, and other forms of intelligent product data.	From: ... and managed to include, for example.... To: ... and managed, for example ..... Explanation: grammatical	Storage and Use. ACMS will extend the data types stored and managed, for example engineering models, simulations, and other forms of intelligent product data.	Accept, but recommend the Task Force read the resolution as written above. It sounds awkward.	G Booker/C Crawford	AMCOM
1.2.2	ACMS Scope	ACMS will be the Army's enterprise configuration management and product data management system. The combined capabilities of ACMS will support traditional configuration management functions, product structure management, product data management, engineering change action processing, the Army's Tech Loop functions, and interfaces with the Joint Computer Aided Acquisition and Logistics Support (JCALS) Workflow Manager and multiple repository systems such as the Joint Engineering Data Management Information and Control System (JEDMICS) and Contractor Integrated Technical Information Service (CITIS) systems. ACMS will enable management of the Army's product data throughout the system life cycle -- from program	From: Logistics Support (JCALS) To: Logistic Support (JCALS) Explanation: Correct spelling of Joint Program name	ACMS will be the Army's enterprise configuration management and product data management system. The capabilities of ACMS will support traditional configuration management functions; product structure management; product data management; the assembly, review, validation, update, and dissemination of Technical Data Packages (TDPs); and interfaces with the Joint Computer Aided Acquisition and Logistic Support (JCALS) Workflow Manager, other Department of Defense (DoD) and commercially available process enhancement tools, and multiple repository systems such as the Joint Engineering Data Management Information and Control System (JEDMICS) and Contractor Integrated Technical Information Service (CITIS) systems. ACMS will enable management	Accept both AMSAA and AMCOM comments. Replaced some of the commas with semi-colons. Added a modified version Behrens' comment.	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		development through production, sustainment, modification, and ultimately disposal.		of the Army's product data throughout the system life cycle -- from program development through production, sustainment, modification, and, ultimately, disposal.			
1.2.2	ACMS Scope		(PART 1)....From: (2nd sentence) ..The combined capabilities of ACMS will support traditional configuration management functions, product structure management, product data management, engineering change action processing, the Army's Tech Loop functions, and interfaces ... To: The capabilities of ACMS will support traditional configuration management functions, product structure management, product data management, the assembly, review, validation, update, and dissemination of Technical Data Packages (TDPs), and ... Explanation: engineering change action processing is a part of configuration management and offers an explanation of Tech Loop functions (PART 2)...From: ... (Last sentence)..sustainment, modification, and ultimately disposal. To: ... sustainment, modification, and, ultimately, disposal. Explanation: grammatical			G Booker/C Crawford	AMCOM
1.2.3	ACMS Vision	ACMS will provide the required data when it is needed and in a form that the user can apply to accomplish the mission. The required data consists of all the product data necessary to completely define an item for the intended purposes of specifying, designing, analyzing, manufacturing, maintaining, sustaining, testing, inspecting, and dispositioning that item over its entire life span. The ACMS also must operate in a diverse Army environment, integrate with	(PART 1) ...From: ... sustaining, testing, inspecting, and dispositioning ... To: ... sustaining, testing, inspecting, packaging, and dispositioning Explanation: need to include packaging (PART 2) ...From: ... Army major subordinate command (MSC) ... To: ... Army Major Subordinate Command (MSC)... Explanation: grammatical	ACMS will provide the required data when it is needed and in a form that the user can apply to accomplish the mission. The required data consists of all the product data necessary to completely define an item for the intended purposes of specifying, designing, analyzing, manufacturing, maintaining, sustaining, testing, inspecting, packaging, and dispositioning that item over its entire life span. The ACMS also must operate in a diverse Army environment, integrate with other Army Major Subordinate Command	Accept the 2 AMCOMM comments.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		other Army major subordinate command (MSC) business processes, and communicate with other MSC, government, and industry information management systems.		(MSC) business processes, and communicate with other MSC, government, and industry information management systems.			
1.2.4	ACMS Users, Support Agencies, and Implementing Sites	The Army Materiel Command (AMC) Engineering Data Management System (EDMS) Functional Coordinating Group (FCG) ACMS Task Force, as established by the AMC Deputy Chief of Staff for Research, Development and Acquisition, is responsible for defining ACMS and developing this Performance Specification. The Performance Specification describes the target ACMS. In the near term, implementing sites will tailor these requirements to meet local needs and to reflect the state of the industry at the time of implementation.	From: ... In the near term, implementing sites will tailor these requirements to meet local needs and to reflect the state of the industry at the time of implementation. To: ... Implementing sites will prioritize these requirements based on their local needs and plans for implementing ACMS. Limited tailoring of the requirements maybe necessary by local commands to meet critical requirements and support state of the industry best practices and technologies at the time of implementation. Explanation: In the vision statement for ACMS, it is clearly stated that local commands need flexibility to implement based on their local needs and time frames. It is important for the US Army as an enterprise to limit changes to the ACMS requirements by local commands to ensure and maintain an environment where information can be freely communicated and accessed. Local commands should focus on the prioritizing the defined ACMS specifications based on their needs rather than customizing or expanding them. Only mission critical requirements such as, critical functionality needs, changes to best practices adopted by the Army and applicable technology evolutions should be justifiable reasons for performance specification changes.	The Army Materiel Command (AMC) Engineering Data Management System (EDMS) Functional Coordinating Group (FCG) ACMS Task Force, as established by the AMC Deputy Chief of Staff for Research, Development and Acquisition, is responsible for defining ACMS and developing this Performance Specification. After development, this specification was assigned to TBD as the proponent. The Performance Specification describes the target ACMS. In the near term, implementing sites will tailor these requirements to meet local needs and to reflect the state of the industry at the time of implementation.	Accept AMCOM comment. Reject CIMdata comment. CIMdata is not fully aware of the MSCs' desire to tailor the Perf Spec and implement their own system.	Alan Mendel	CIMData
1.2.4	ACMS Users, Support Agencies, and Implementin		Change: After the first sentence ADD: “After development, this specification was assigned to TBD as the proponent.”Explanation: The sentence states the AMC EDMS FCG ACMS Task Force is responsible for the defining and development of the performance spec. It has			G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
	g Sites		not been decided who the proponent activity will be and AMC is never the proponent activity.				
1.2.4- 1	ACMS Users, Support Agencies, and Implementing Sites	Each of the Army's MSCs will be responsible for developing its local ACMS implementation. The EDMS Program Management Office will coordinate and monitor implementations, and validate that the local implementations meet the requirements of this Performance Specification. Potential implementation sites include the following:	From: ... will coordinate and monitor implementation, and validate that the local implementations meet the requirements of this Performance Specification. To: ... will monitor implementations and validate that the local implementations meet the requirements of this Performance Specification as tailored for each particular site. Explanation: clarification	Each of the Army's organizational elements or sites will be responsible for developing its local ACMS implementation. The EDMS Program Management Office will monitor implementations, and validate that the local implementations meet the requirements of this performance specification as tailored for each particular site. Potential implementation sites include all MSCs and their installations.	Accept AMCOM and AMSAA comments. Deleting all specific list items that follow. Note that Perf Spec is now perf spec per a later comment.	G Booker/C Crawford	AMCOM
1.2.4- 1	ACMS Users, Support Agencies, and Implementing Sites		(PART 1) From: Potential implementation sites include the following (WVA) To: Potential implementation sites include all MSCs and their installations. Explanation: The task force needs more guidance from HQ AMC and other Dept of Army organizations. The list of exact sites may be a very contentious issue. (PART 2) From: Each of the Army's MSCs..... To: Each of the Army's organizational elements or sites..... Explanation: Less restrictive, yet complete.			Gordon Ney	AMSAA
1.2.4-16	ACMS Users, Support Agencies, and Implementing Sites	The ACMS user community includes configuration managers, design engineers, developers, testers, trainers, logisticians, National Inventory Control Points or item managers, and manufacturers to include organic depots and arsenals. Potentially, anyone involved in an IPT, evaluating change actions, or retrieving product data for any reason, is an ACMS user. These users are located at the MSCs, the ARDECs, the depots and arsenals, and at weapons system developer sites.	(PART 1) ....From: The ACMS user community includes configuration managers, design engineers, developers, testers, trainers, logisticians, National Inventory Control Points or items managers, and ... To: The ACMS user community includes (but is not limited to) configuration managers, design engineers, developers, testers, trainers, logisticians, materiel managers, packaging specialists, and .... Explanation: (PART 2) ...From: These users are located at MSCs, the ARDECs, the depots and arsenals, and at weapons system developer sites. To: These users may be	The ACMS user community includes, but is not limited to, program managers, configuration managers, design engineers, developers, testers, trainers, logisticians, materiel managers, packaging specialists, and manufacturers to include organic depots and arsenals. Potentially, anyone involved in an IPT, evaluating change actions, or retrieving product data for any reason, is an ACMS user. These users may be located at the MSCs; the Research, Development and Engineering Centers (RDECs); the depots	Accept the specific suggestion of this comment and the related comment (G-25). Will search document for "weapons system" and "end item." Believe the CONOPS solution was to generally change "weapon system" to "weapons system/end item" or "weapons system and end item." Prefer the language proposed by AMCOM.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			located at MSCs, RDECs, the depots and arsenals, the Defense Logistics Agencies (DLAs), and at Army product developer sites. Explanation: The weapon systems change was requested in the CONOPS --- all products controlled by MSCs are not weapon systems, e.g., STRICOM, SSCOM	and arsenals; the Defense Logistics Agency sites; and at Army product developer sites.			
1.2.4-16	ACMS Users, Support Agencies, and Implementing Sites		(PART 1) From: The ACMS user community includes... To: ... The ACMS user community includes program managers. Explanation: PMs are users that should be highlighted and not omitted. Especially if we are going to have a Program Manager's view as requirement 3.1.1.3.2.1 (PART 2) From: ...These users are located at the MSCs, the ARDECs, ... To: ... These users are located at the MSCs, the Research, Development and Engineering Centers (RDECs) ,..... Explanation: Research Development and Engineering Centers (RDECs) are the business units intended. ARDEC is only one business unit Headquartered at Picatinny Arsenal, NJ.			Gordon Ney	AMSAA
1.2.5	ACMS Operation	ACMS will be a federated system of systems. It will be federated in the sense that local sites will manage their own data and support their site unique business processes. It is a system of systems in the sense that all sites will share standard metadata (see Appendix D) that describe the managed product data and will possess capabilities that are common to the whole of ACMS.	From: ....will share standard metadata (see Appendix D) To: . .. will share metadata (see Appendix D) Explanation: Metadata is defined in appendix D. Standard metadata is not. Delete standard or define standard metadata.	ACMS will be a federated system of systems. It will be federated in the sense that local sites will manage their own data and support their site unique business processes. It is a system of systems in the sense that all sites will share metadata (see Appendix D) that describe the managed product data and will possess capabilities that are common to the whole of ACMS.	Accept AMCOM and AMSAA comments. Deleted "standard." Rejected Behren's suggestion as being far to extensive of an API need. "ACMS will provide a comprehensive Application Interface encompassing any and all events/transactions associated with the system."	Gordon Ney	AMSAA
1.2.5	ACMS Operation		From: ... all sites will share standard metadata ... Explanation: The word standard needs to either be defined or removed.			G Booker/C Crawford	AMCOM
1.2.5- 1	ACMS Operation	As the Army's enterprise product data management system, ACMS will provide visibility into the identity and	(PART 1) From: ... into the identity and location of all controlled product data whether ... To: ... into the identity and location of	As the Army's enterprise product data management system, ACMS will provide visibility into the identity and location of	Accept AMCOM comments with a slight modification. Product data includes CM data.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		location of all controlled product data whether the Army has change control authority or not. The long-term goal is that all controlled product data, including changes and metadata, will be visible to any ACMS user who is authorized to see, use, or revise the data.	all configuration and product data whether... Explanation: Need to include the configuration management data..... (PART 2) From: ... To: ... Remove the last sentence. Explanation: Same as first sentence.	all controlled product data, to include configuration management data, whether the Army has change control authority or not.	Therefore, to avoid redundancy, but also addressing AMCOM's concern, we modified the requirement to say, "... all controlled product data, to include configuration management data, whether ..."		
1.2.5- 3	ACMS Operation	The target ACMS will provide a core set of standard, Army-wide data elements and capabilities, to include the following:	From: ... The target ACMS will provide a core set of standard, Army-wide data elements and capabilities, ... To: ... The target ACMS will provide a core set of standard, Army-wide capabilities, Explanation: The notion of specifying core data elements has been rejected in favor of a requirement for exchanging data in accordance with the MIL-STD-2549 data information packets. This is the first of a series of comments that removes the notion of core data from the ACMS Performance Specification. See paragraphs 1.2.5-4, 1.2.5-4.10, A.1.3, A2.1.2, B.2.1.2.2, and B.2.2.2.5.1. (Action # 89)	The target ACMS will provide a common set of Army-wide capabilities to include the following:	Accept AMSAA comment.	Jim Cox	BDM
1.2.5- 3	ACMS Operation		From: ...The target ACMS will provide a core set of standard, Army-wide data elements and capabilities to include the following: To: ... The target ACMS will provide a common set of Army-wide capabilities to include the following: Explanation: Data elements are derived from MIL-STD-2549, there are no other standard data elements proposed by the ACMS task force. If there are other proposed standard data elements then define them. Common capabilities is more representative of current direction.			Gordon Ney	AMSAA
1.2.5- 4	ACMS Operation	Provide a Single Access and Control Point. ACMS will provide users with a single, common means of finding, accessing and controlling Army enterprise-level product data for which	From: ... Provide a Single Access and Control Point Army has change control authority. To: ... Provide a Single Access and Control Point Army has change control authority either as the Current Document Change Authority		Recommend Rejecting AMSAA comment. We need to distinguish between system and organization responsiblities and capabilities. While the AA may	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		the Army has change control authority.	(CDCA) or the Application Activity (AA). Explanation: Clarifies access and control. Application Authority has veto power over proposed changes.		exercise some level of control over the data (e.g., change veto authority), it is unlikely that the AA will exercise that control authority via ACMS. More likely, they will have to use the CDCA's system, which may not be ACMS. We do require, however, that the AA be able to find, copy, view, and print product structures and product data using ACMS. See 1.2.5-10, Access to Contractor-Controlled Product Structures and Product Data, as revised, and 1.2.5-9, Manage Army Controlled Product Structures.		
1.2.5- 6	ACMS Operation	Implement Data Standards. ACMS will read and write MIL-STD-2549 data information packets as a means for exchanging product configuration management metadata and product structure relationships with Product Data Management (PDM), Configuration Management (CM), authoring, CITIS, and repository systems.	From: ... and product structure relationships with Product Data ... To: ... metadata, product structure relationships, and data with Product Data .... Explanation: MIL-STD-2549 also provides for the delivery of data.	Implement Data Standards. ACMS will read and write MIL-STD-2549 data information packets as a means for exchanging product configuration management metadata, product structure relationships, and documents with Product Data Management (PDM), Configuration Management (CM), authoring, CITIS, and repository systems.	Accept with modification to make consistent with definition of product data. Adding product data is potentially too broad. Certain metadata about documents and product structures may not be supported by 2549 DIPs.	G Booker/C Crawford	AMCOM
1.2.5- 6	ACMS Operation		From: ...Implement Data Standards configuration management metadata and product structure relationships with Product Data Management To: ... Implement Data Standards… configuration management metadata, product structure relationships, and product data with Product Data Management Explanation: Highlight that we still want to exchange product data			Gordon Ney	AMSAA
1.2.5- 7	ACMS Operation	Manage Multiple Formats. ACMS will provide for the management of a wide variety of product data formats in	From: ...Manage Multiple Formats. management of large variety of product data formats in accordance with MIL-STD-2549---	Manage Multiple Formats. ACMS will provide for the management of a wide variety of product data formats in	Accept AMCOM and AMSAA comments. Note that the AMSAA comment replaces	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		accordance with MIL-STD-2549 -- to include Computer Aided Design (CAD) model formats -- so that government- and contractor-created data can be maintained, located, and used with no loss of data intelligence.	to include Computer Aided Design To: ... Manage Multiple Formats . management of large variety of product data formats in accordance with international and industry standards--- to include Computer Aided Design Explanation: MIL-STD-2549 does not solely govern how we manage multiple formats.	accordance with international and industry standards, to include Computer Aided Design (CAD) model formats, so that government- and contractor-created data can be maintained, located, and used with no loss of data intelligence.	"MIL-STD-2549" with "international and industry standards."		
1.2.5- 7	ACMS Operation		From: ... in accordance with MIL-STD-2549 to include Computer Aided Design (CAD) model formats so ....To: ... in accordance with MIL-STD-2549, to include Computer Aided Design (CAD) model formats, so .... Explanation: grammatical			G Booker/C Crawford	AMCOM
1.2.5- 9	ACMS Operation	Manage Army-Controlled Product Structures. ACMS will provide for creating, storing, maintaining, and managing changes to links (relationships) between elements of product structures (for example, parts, components, and assemblies) for which the Army is the Current Document Change Authority (CDCA).	From: ... Manage Army-Controlled Product Structures. (CDCA). To: ... Manage Army-Controlled Product Structures. (CDCA), and the Application Authority. Explanation: Application Authority has veto power over proposed changes.		Recommend Rejecting. Refer to 1.2.5-4. Need to distinguish between ACMS responsibilities and AA responsibilities.	Gordon Ney	AMSAA
1.2.5-10	ACMS Operation	Access Contractor-Controlled Product Structures. As a long-term goal, ACMS will provide the ability to find, copy, view, and print product structures when the Army is not the CDCA.	(PART 1) From: ... Access Contractor-Controlled Product Structures. As a long term goal, ACMS will provide..... To: ... Access Contractor-Controlled Product Structures. ACMS will provide..... Explanation: For capabilities do not need to separate between short term and long term. (PART 2) From: ... Access Contractor-Controlled Product Structures. As a long-term goal, ACMS will provide when the Army is not the CDCA. To: Delete in its entirety Explanation: Redundant if Application Authority (AA) is added to capability Provide a Single Access and Control Point.	Access Contractor-Controlled Product Structures and Product Data. ACMS will provide the ability to find, copy, view, and print product structures and product data when the Army is not the CDCA.	Accept AMCOM and AMSAA comment to delete "As a long-term goal." Recommend Rejecting AMSAA's comment to delete based on addition of AA to 1.2.5.-4. Also, recommend adding "and Product Data." This is needed for when the Army is not the CDCA. Refer to 1.2.5-4 for rational.	Gordon Ney	AMSAA
1.2.5-10	ACMS Operation		From: As a long-term goal, ACMS ... To: ACMS will ... Explanation: Long-term goal not required.			G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
1.2.5-11	ACMS Operation	Associate Product Structure Elements With Appropriate Product Data. ACMS will provide for creating, storing, and controlling the associations between product structures and the product data that describe the elements of product structures for which the Army is the CDCA. ACMS will provide the ability to find, copy, view, and print the associations for which the Army is not the CDCA.	From: ... the associations between product structures and the product data that describe the elements of product structures for which the Army is the CDCA. To: ... the associations between product structure elements and the product data that describe those elements for which the Army is the CDCA. Explanation:	Associate Product Structure Elements With Appropriate Product Data. ACMS will provide for creating, storing, and controlling the associations between product structure elements and the product data that describe those elements for which the Army is the CDCA. ACMS will provide the ability to find, copy, view, and print the associations for which the Army is not the CDCA.	Accept.	G Booker/C Crawford	AMCOM
1.2.5-13	ACMS Operation	Provide Configuring Capabilities. ACMS will be flexible and customizable in its ability meet the unique information needs of individual MSCs. ACMS will provide system administrator-level tools for configuring ACMS to support information interchange within an Army site in accordance with each site's business processes and product data needs, while providing core information for off-site users. These tools will permit configuring the system without writing source code or recompiling unaffected software modules.	(PART 1) From: ... Provide Configuring Capabilities. ....in its ability meet..... To: ... Provide Configuring Capabilities. .....in its ability to meet..... Explanation: Editorial clarification (PART 2) From: ... Provide Configuring Capabilities. ..... while providing core information for off-site users. To: ... Provide Configuring Capabilities. .....while providing information for off-site users. Explanation: Core information is not defined. Delete core or define core information	Provide Configuring Capabilities. ACMS will be flexible and customizable in its ability to meet the unique information needs of individual MSCs. ACMS will provide system administrator-level tools for configuring ACMS to support information interchange within an Army site in accordance with each site's business processes and product data needs. These tools will permit configuring the system without writing source code or recompiling unaffected software modules.	Provide Configuring Capabilities. ACMS will be flexible and customizable in its ability meet the unique Accept AMSAA comment with modifications. No longer need the phrase, "while providing information for off-site users" once "core" is dropped.	Gordon Ney	AMSAA
1.2.5-13	ACMS Operation		From: ... in accordance with each site's business processes and product data needs, while providing core information for off-site users. ... To: ... in accordance with each site's business processes and product data needs. ... Explanation: The notion of specifying core data elements has been rejected in favor of a requirement for exchanging data in accordance with the MIL-STD-2549 data information packets. This is the first of a series of comments that removes the notion of core			Jim Cox	BDM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			data from the ACMS Performance Specification. See paragraphs 1.2.5-4, 1.2.5-4.10, A.1.3, A2.1.2, B.2.1.2.2, and B.2.2.2.5.1. (Action # 89)				
1.2.5-14	ACMS Operation	Provide Customization and Integration Capabilities. ACMS will be flexible and customizable in its ability meet the unique functional needs of individual MSCs and to interact with other data management systems. ACMS will provide customization and integration tools for tailoring ACMS to extend existing functionality, add new functions, provide new methods for interacting with users, and interface with other data management systems, data authoring systems, and viewing systems.	From: ...Provide Customization and Integration Capabilities. .....customizable in its ability meet the unique functional needs of individual.... To: ...Provide Customization and Integration Capabilities. .....customizable in its ability to meet the unique functional needs of individual..... Explanation: Editorial clarification	Provide Customization and Integration Capabilities. ACMS will be flexible and customizable in its ability to meet the unique functional needs of individual MSCs and to interact with other data management systems. ACMS will provide customization and integration tools for tailoring ACMS to extend existing functionality, add new functions, provide new methods for interacting with users, and interface with other data management systems, data authoring systems, and viewing systems.	Accept.	Gordon Ney	AMSAA
1.2.5-14	ACMS Operation		From: ... customizable in its ability meet the ... To: ... customizable in its ability to meet .... Explanation: Grammatical			G Booker/C Crawford	AMCOM
1.2.5-15	ACMS Operation	Specific applications of ACMS are discussed further in the appendices. Appendix A, ACMS Concept Overview, provides information relative to the nature and roles of the ACMS. Appendix B, ACMS Support of Weapon Systems and Data Life Cycles, and Appendix C, ACMS Support to Selected Business Processes, provide information relative to the use of the ACMS.	From: ... ACMS Support of Weapon Systems and .... To: ... ACMS Support of Army Products and .... Explanation: See Para 1.2.4	Specific applications of ACMS are discussed further in the appendices. Appendix A, ACMS Concept Overview, provides information relative to the nature and roles of the ACMS. Appendix B, ACMS Support of Army Product and Data Life Cycles, and Appendix C, ACMS Support to Selected Business Processes, provide information relative to the use of the ACMS.	Accept with modification. "Product" should be singular not plural. Must also change Appendix B title and any other references.	G Booker/C Crawford	AMCOM
1.2.6	Versioning and Revisioning	The scope of ACMS encompasses both configuration and product data management. The product data management and the MIL-STD-2549 configuration management communities use different schemes for managing changes to data.	From: ...Versioning and Revisioning. To: ...Task to rewrite for BDM. Explanation: If what we need is a two level release scheme then that is the way it should be written and we should seek to change MIL-STD-2549.		Recommend discussing this topic at the meeting. It is important that the reader understand how this issue is handled in this document. If the document is to be written to a 2-tier scheme, all references	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
					MIL-STD-2549 must be qualified "augmented to include 2-tier revision and version scheme."		
1.2.6	Versioning and Revisioning		From: ... To: ... Remove 1.2.6 Versioning and Revisioning Explanation: This area needs a separate task force or subset task force to define the Army's position on versioning and revisioning with later modification of this performance specification to include the outcome. This discussion does not belong in the performance spec.			G Booker/C Crawford	AMCOM
2.1	General	This section specifies the documents listed in Sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements documents cited in Sections 3 and 4 of this specification, whether or not they are listed.	From: ... the documents listed in Sections 3 and 4 .... To: ... the documents required in Sections 3 and 4 .... Explanation:	The documents listed in this section are specified in Sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements documents cited in Sections 3 and 4 of this specification, whether or not they are listed.	Accept with modification. We apparently edited the required language at some point. The resolution text is now taken directly from MIL-STD-961D. The only change is that Secitons is capitalized above when refering specifically to Sections 3 and 4.	G Booker/C Crawford	AMCOM
2.2.1	Specifications, Standards, and Handbooks	The following specifications, standards, and handbooks form a part of this document to the extent specified herein. The revisions of these documents are those listed below.	From: The following specifications, standards, and handbooks form a part of this document to the extent specified herein. The revisions of these documents are those listed below. To: The following standard forms a part of this document to the extent specified herein. The revision of this document is listed below. Explanation: The MIL-HDBK-61 is not referenced in Section 3 or 4 and must be referenced in order to be cited here.	The following standards form a part of this document to the extent specified herein. The revisions of these documents are listed below.	Accept AMCOM comments with modification for differences.	G Booker/C Crawford	AMCOM
2.2.1-1	Specifications, Standards,	DEPARTMENT OF DEFENSE STANDARDS MIL-STD-2549-Configuration Management Data	(PART 1)...Change as follows: STANDARDS DEPARTMENT OF DEFENSE MIL-STD-2549 .. (PART 2)...From: ...New	See 98feb23/perfspec.doc, paragraph 2.2.	Accept. Refer to 98feb23/perfspec.doc for our interpretation of this and the	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
	and Handbooks	Interface, 30 June 1997 and Errata list dated November 1997	TextTo: ADD : MIL-STD-881 – Work Breakdown Structures for Defense Materiel Items, dated 25 March 1993Explanation:		next two comments. We assume the "Standards" reference in this comment refered to editing the header 2.2.1.		
2.2.1-2	Specifications, Standards, and Handbooks	DEPARTMENT OF DEFENSE HANDBOOKS MIL-HDBK-61 Configuration Management Guidance, 30 September 1997	From: ... To: Remove the reference and address for MIL-HDBK-61. Explanation: The MIL-HDBK-61 is not referenced in Section 3 or 4 and must be referenced in order to be cited here.	See 98feb23/perfspec.doc, paragraph 2.2.	Accept.	G Booker/C Crawford	AMCOM
2.3-1	Non-Government Publications	EIA/IS-649 Electronics Industry Association's National Consensus Standard for Configuration Management, Revision 95 (August 1995)	From: ... To: Remove the complete paragraph reference to EIA/IS-649. Explanation: The EIA/IS-649 is not referenced in Section 3 or 4 and must be referenced in order to be cited here.	Delete	Accept.	G Booker/C Crawford	AMCOM
2.4	Order of Precedence	In the event of a conflict between the text of this specification and the references cited herein (except for associated detail specifications, specification sheets, or MS standards), the text of this specification shall take precedence. Nothing in this specification, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained. The order of precedence of documents shall be as follows:	From: ... cited herein (except for associated detail specifications, specification sheets, or MS standards), the .... To: ... cited herein, the text of this ..... Explanation: No specs, spec sheets are cited in this spec.	In the event of a conflict between the text of this specification and the references cited herein, the text of this specification shall take precedence. Nothing in this specification, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained. The order of precedence of documents shall be as follows:	Accept.	G Booker/C Crawford	AMCOM
3	Requirements	This section states ACMS performance requirements. Paragraph numbers are assigned to each requirement to support testing and traceability. The ACMS performance requirements define what operational functions the system must be able to perform, what interfaces must be provided, what ownership and support requirements must be met, and what environmental requirements will constrain ACMS operations. The	(PART 1)...From: ...The requirements in this section are intended to be tailored for each local ACMS implementation. To: The requirements in this section are intended to be prioritized by each local ACMS implementation to meet defined needs and time frames. Only mission critical requirements should be justifiable reasons for significant changes to these specifications. Explanation: Local commands should focus on the prioritizing the defined ACMS specifications based on their needs rather than customizing or expanding	This section states ACMS performance requirements. Paragraph numbers are assigned to each requirement to support testing and traceability. The ACMS performance requirements define what operational functions the system must be able to perform, what interfaces must be provided, what ownership and support requirements must be met, and what environmental requirements will constrain ACMS operations. The requirements in this section are intended	Accept AMCOM comment. Reject CIMdata comments. AMCOM's comment makes CIMdata's PART 2 comment not applicable. CIMdata's PART 1 comment and an earlier comment agains 1.2.4 are good comments, but they are rejected based on the MSCs' desires to implement and tailor their own ACMS implementations. CIMdata's	Alan Mendelv	CIMData

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		requirements in this section are intended to be tailored to each local ACMS implementation. They also are intended to leave enough latitude that individual vendors may respond with their solutions as to how to best meet the requirements. Lastly, these performance requirements were written to be used as a basis for selecting a small number of qualified products to then be evaluated during a demonstration period. These requirements and the demonstration results would form the basis for developing final acceptance criteria.	them. Only mission critical requirements such as, critical functionality needs, changes to best practices adopted by the Army and applicable technology evolutions should be justifiable reasons for performance specification changes. Without close control of the base data model (standard metadata) and enterprise processes used by each command the Army as a whole will not be able to ensure and maintain an integrated ACMS environment. (PART 2)...From: ... These requirements and the demonstration results would form the basis for developing final acceptance criteria.... To: ... These requirements will form the basis for developing final acceptance criteria... Explanation: Using demonstration results as an input into the creation of a final acceptance criteria has the tendency to bias the criteria towards the product(s) that look the best and/or have the best demonstration personnel. The products must first meet the selection criteria and then they must provide that they do through the verification requirements, some of which are demonstration results.	to be tailored to each local ACMS implementation. They also are intended to leave enough latitude that individual vendors may respond with their solutions as to how to best meet the requirements. Lastly, these performance requirements were written to be used as a basis for selecting a small number of qualified products to then be evaluated during a demonstration period.	points are valid, however. The more degrees of freedom the individual commands are given now, the greater the likelihood that the Army will be trying to do this again in 3 - 10 years.		
3	Requirements		From: To: Remove the last sentence. Explanation: Implementation not performance.			G Booker/C Crawford	AMCOM
3.1	Operating Requirements	This section describes the functional features of the ACMS as seen from a user's point of view. It communicates a proposed ACMS in terms of the user needs it will fulfill, its relationship to existing systems or procedures, and the ways it will be used.	From: Operating Requirements To: System Requirements Explanation:		Defer to Task Force. Operating Requirements was specified by an Army memo describing how to organize performance specs. The memo specified four categories: Operating Requirements, Interface Requirements, Ownership and Support Requirements, and Operating Environment Requirements. All of these are system requirements.	G Booker/C Crawford	AMCOM
3.1.1.1	Data	Data Vaulting Requirements	From: Data Vaulting Requirements To:		Recommend Rejecting the	G Booker/C	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
	Vaulting Requirements		Data Requirements Explanation:		comment. If the Task Force wants to delete "Vaulting," we recommend the following alternative. Eliminate 3.1.1.1 as a header and elevate all its children to that level. Also consider adding "Product" to 3.1.1.1.1 and 3.1.1.1.4 (Product Data Storage Requirements and Product Data Locating Requirements).	Crawford	
3.1.1.1.1.2	Store Product Data	ACMS shall provide the ability to store product data, administrative data, references to data external to ACMS, records in an associated database, and electronic displays such as Engineering Change Proposal (ECPs).	From: ...and electronic displays such as Engineering Change Proposal (ECPs). To: ....and engineering change action displays. Explanation: The definitions of engineering change display, and change action in the glossary are not used consistently within the body of the document. The term engineering change action is used extensively and never defined. The term Engineering Change Proposal is used several times and is not defined. The term electronic displays such as Engineering Change Proposal (ECPs) is used, and is another inconsistent use of terms. Suggest that we use the terms consistently. One approach would be to use the following definitions and apply consistently through out the document. It would be nice to use definitions with an existing source, like 2549, 61 or 649. ECP and Engineering Change are defined in MIL-STD-2549. Memory fades, I thought that we were going to use the term engineering change action as a defined term to address what you have under change action. Is there a difference between an engineering change action and a change action? If you can come up with a better approach then use it, just be consistent in the application of the approach. Engineering Change action Modification of a product, the data and metadata related to the	ACMS shall provide the ability to store CM and non-CM controlled product and administrative data in a single and distributed vault.	Accept with questions. 1) Do we really want to drop references to data external to ACMS? 2) What is specifically ment by single and distributed vault? AMSAA's comment becomes not applicable, but expect to address their issue later. CIMdata's comment changes what is ment by electronic displays. Again, this will be addressed later.	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			product. Engineering Change action examples include engineering change proposals, and deviations. Note: deletion of waivers. Engineering Change Action Display A predefined electronic display that represents a form and is created in ACMS to facilitate description and review of an engineering change action.Engineering Change Proposal (ECP) The documentation by which a proposed engineering change is described, justified, and submitted to the current document change authority for approval or disapproval. Engineering Change A change to the current approve configuration documentation of a configured item.				
3.1.1.1.1.2	Store Product Data		From: ACMS shall provide the ability to store product data, administrative data, references to data external to ACMS, records in an associated database, and electronic displays such as Engineering Change Proposals (ECPs). To: ACMS shall provide the ability to store CM and non-CM controlled product and administrative data in a single and distributed vault. Explanation:			G Booker/C Crawford	AMCOM
3.1.1.1.1.2	Store Product Data		From: ... an associated database, and electronic displays such as Engineering ChangeProposal (ECPs). To: ... an associated database, and electronic displays (scanned images) such as Engineering Change Proposal (ECPs). Explanation: "electronic displays" is not a common description within the commercial PDM industry.			Alan Mendel	CIMData
3.1.1.1.1.3	Store CM-Controlled Product Data	ACMS shall allow the user to store product data which is not under configuration control in either a vault that does or a vault that does not overwrite data and, for product data that is under CM control, a vault that does not allow the user to overwrite	From: ... ACMS shall allow the user to store product data which is not under configuration control in either a vault that does or a vault that does not overwrite data and, for product data that is under CM control, a vault that does not allow the user to overwrite data. To: ... ACMS shall allow the user to store	ACMS shall allow the user to store configuration controlled product data in a vault that does not allow the user to overwrite data.	Accept BDM comment.	Margot Delapp	BDM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		data.	configuration controlled product data in a vault that does not allow the user to overwrite data. Explanation: Splitting out requirement for non-configuration controlled data into a new requirement. See 3.1.1.1.1.4. (action #56)				
3.1.1.1.1.3	Store CM-Controlled Product Data		From: ... To: Rewording this para --- comments to follow. Explanation:			G Booker/C Crawford	AMCOM
3.1.1.1.1.4	Store Non-CM Controlled Product Data	ACMS shall allow the usert to choose whether to store non-configuration controlled product data in a vault that does not allow the user to overwrite data.	From: ...NEW REQUIREMENT To: ACMS shall allow the user to choose whether to store non-configuration controlled product data in a vault that does not overwrite data or in a vault that does overwrite data. Explanation: Separates the original requirement, 3.1.1.1.1.3, into two pieces: one for configuration controlled data and one for non-configuration controlled data. Intent is to reduce confusion. (action #56)	ACMS shall allow the user to choose whether to store non-configuration controlled product data in a vault that does not overwrite data or in a vault that does overwrite data.	Accept BDM comment.	Margot Delapp	BDM
3.1.1.1.2. 1	Check Identity and Authorizations	ACMS shall provide for checking the identity and authorizations of users and restrict access as defined by access control permissions and rules (see User Authorization and Management Requirements).	From: ...Check Identify and Authorizations To: ... Check Identity and Authorizations Explanation: Spelling correction . ACMS shall provide for checking the identity....	ACMS shall provide for checking the identity and authorizations of users and restrict access as defined by access control permissions and rules (see User Authorization and Management Requirements).	Accept. Change is to the title, not the requirement text.	Gordon Ney	AMSAA
3.1.1.1.2. 1	Check Identity and Authorizations		From: Check Identify and Authorizations To: Check Identity and Authorizations Explanation:			G Booker/C Crawford	AMCOM
3.1.1.1.2. 2	Suppress Unauthorized Functions	ACMS shall suppress functions not currently available to a user due to access restrictions. For example, an administrative menu tree may be accessible (e.g., highlighted and active) only to users with administrator permission.	From: ... not currently available .... To: ... not available ... Explanation:	ACMS shall suppress functions not available to a user due to access restrictions. For example, an administrative menu tree may be accessible (e.g., highlighted and active) only to users with administrator permission.	Accept.	G Booker/C Crawford	AMCOM
3.1.1.1.2. 3	Provide User Feedback	ACMS shall provide a message box to notify a user that has been denied access to controlled product data or to	From: ... ACMS shall provide a message box to notify a user that has been denied access to controlled product data or to restricted	ACMS shall provide a message box that notifies a user that the user has been denied access to controlled product data	Accept.	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		restricted functions.	functions. To: ... ACMS shall provide a message box that notifies a user that the user has been denied access to controlled product data or to restricted functions. Explanation: Editorial clarification	or to restricted functions.			
3.1.1.1.2. 4	Provide Rule-Based Access Control	Rules shall be based on user identity and defined needs, user group, user role, file type, or document release status.	From: ... To: ... Delete Explanation: This requirement is covered by the combination of 3.1.1.1.2.1 and the 3.1.1.7.1 series of requirements (restrict access and user, role, and group assignments). Restricting access by file type and release status would be implemented by defining a group based on, for example, program and data properties. Note: Groups are defined with the intention of restricting access by functions/programs and data types. Roles are defined with the intention of restricting access by data operations (i.e., data manipulation and access capabilities available to users assigned to the role). Groups probably will be implemented with many layers of subgroups to permit restricting access by both functions/programs and data types. Note the changes made to 3.1.1.7.1.7 and 3.1.1.7.1.9 to help clarify what is intended. (Action # 83)	Delete	Delete per BDM comment. Believe this is covered by other requirements. Otherwise, accept the AMCOM comment.	Sandy Santa Cruz	BDM
3.1.1.1.2. 4	Provide Rule-Based Access Control		From: Rules shall be based on user ... To: ACMS shall provide the capability to create rules based on user identity .... Explanation: Needs this to make it a requirement and not just a statement.			G Booker/C Crawford	AMCOM
3.1.1.1.2. 4	Provide Rule-Based Access Control	Rules shall be based on user identity and defined needs, user group, user role, file type, or document release status.	From: ...Rules shall be based on user identity and defined needs, user group, user role, file type or document release status. To: ... ACMS shall provide the capability to establish rules based on user identity and defined needs, user group, user role, file type, or document release status. Explanation: Consistent expression of ACMS requirements.	Delete	Delete per BDM comment. Believe this is covered by other requirements. Otherwise, accept the AMCOM comment.	Gordon Ney	AMSAA
3.1.1.1.2. 5	Provide Check-In	ACMS shall provide the capability to check-in product data from a user’s	From: ... check-in product data ...To: ... check-in data ....Explanation:	ACMS shall provide the capability to check-in data from a user’s workspace to	Accept AMCOM change or modify to "check-in product	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
	Capability	workspace to the vault in accordance with user or file permissions in such a way that created, modified, or promoted product data is placed under the security, access, change, and release control of ACMS.		the vault in accordance with user or file permissions in such a way that created, modified, or promoted product data is placed under the security, access, change, and release control of ACMS.	and administrative data." What should we do about "promoted product data?"		
3.1.1.1.2. 6	Partition Vaults	ACMS shall allow the system administrator to divide vaults into logical partitions.	From: ...To: Remove this requirement. Explanation:	Delete	Accept AMCOM comment. Note: The requirements pertaining to check-in without requiring the user to have knowledge of the data's location went through several iterations at the STRICOM meeting. BDM was assigned an action to try and write the requirements with less of an implementation flavor. To accomplish this, BDM introduced the notion of "logical partitions" and made the changes presented in the draft ACMS Perf Spec. In the glossary, a "logical partition" is defined as, "A conceptual division of a data vault." At the STRICOM meeting, we were under the impression that the goal of this set of requirements was to let the system administrator partition vaults, have data routed to default partitions, and allow users to override default routings. A related conceptual problem we struggled with was whether the Task Force viewed ACMS controlled storage areas as one big vault or a set of separate vaults. We tried to write the requirements, so as to not preclude either view of ACMS	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
					controlled storage.		
3.1.1.1.2. 6	Partition Vaults		From: ... ACMS shall allow the system administrator to divide vaults into logical partitions. To: ... ACMS shall allow the system administrator to divide vaults into logical partitions. ACMS shall also allow the system administrator to define and maintain different security rules for each of these logical partitions. Explanation: Allows for further flexibility when implementing the system at a site.			Alan Mendel	CIMData
3.1.1.1.2. 7	Accept Default Destination	ACMS shall provide the capability to check product data into a default logical partition without requiring the user to specify a logical partition.	From: ...to check product data into a default logical partition without requiring the user to specify a logical partition . To: ... to check data into a default location (physical location or logical partition) without requiring the user to specify a location. Explanation: Agreement from STRICOM meeting.	ACMS shall provide the capability to check data into a default location (physical location or logical partition) without requiring the user to specify a location. The system will automatically determine the proper location based upon one or more criteria such as the following: user ID, client locations, project, data type, and/or server installation.	Accept AMCOM comment. See explanation on 3.1.1.1.2.6. Add CIMdata's suggestion with a slight modification. Note: Accepting AMCOM's comment includes reverting back to "data" from "product data." At the STRICOM meeting, we were repeatedly challenged to specify "what data." After reviewing the comments and considering the action to use "document" in the MIL-STD-2549 sense, we adopted the notion that "product data" = "metadata" + "documents" in the MIL-STD-2549 sense. We explained in Section 1 and defined "product data" to mean this in the Glossary. As a result, we tended to use "product data" as a general term for "data."	G Booker/C Crawford	AMCOM
3.1.1.1.2. 7	Accept Default Destination		From: ...without requiring the user to specify a logical partition. To: ...without requiring the user to specify a logical partition. The system will automatically determine the proper location based upon at least one of the following criteria:			Alan Mendel	CIMData

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			user ID, client locations, project, data type, server installation, etc. Explanation: This allows the "default" location to be determined with some amount of intelligence.				
3.1.1.1.2. 8	Permit Path Override	ACMS shall allow the user to override the system's default check-in destination and specify a particular logical partition for the check-in.	From: ... default check-in destination and specify a particular logical partition for the check-in. To: ... default and specify a particular location for the check-in. Explanation: Agreement from STRICOM meeting.	ACMS shall allow the user to override the system's default and specify a particular location for the check-in.	Accept.	G Booker/C Crawford	AMCOM
3.1.1.1.2. 9	Lock Checked Out Product Data	ACMS shall provide the capability to check-out product data such that it is locked and prevents multiple users from attempting to modify the product data simultaneously.	From: ... check-out product data such that it is locked and prevents multiple users from attempting to modify the product data simultaneously. To: ... check-out data such that it is locked and prevents multiple users from modifying the data simultaneously. Explanation:	ACMS shall provide the capability to check-out data such that it is locked and prevents multiple users from modifying the data simultaneously.	Accept.	G Booker/C Crawford	AMCOM
3.1.1.1.2.10	Permit Copying Checked-Out Product Data	ACMS shall allow users to view and modify a copy of the product data which has been checked-out by another user. This would create a separate instance of the product data.	From: ... users to view and modify a copy of the product data which has been checked-out by another user. This would create a separate instance of the product data. To: ... users to copy and modify data which has been checked-out by another user. This would create a separate instance of the data. Explanation:	ACMS shall allow users to copy and modify data which has been checked-out by another user. This would create a separate instance of the data.	Accept AMCOM comment. Reject CIMdata comment pending an explanation of what specifically is ment by, "linked to the original product data from which it was copied."	G Booker/C Crawford	AMCOM
3.1.1.1.2.10	Permit Copying Checked-Out Product Data		From: ... This would create a separate instance of the product data. To: ... This would create a new instance of product data that can be linked to the original product data from which it was copied. Explanation: "separate instance" can imply a version and/or revision of the product data from which the copy was made.			Alan Mendel	CIMData
3.1.1.1.2.11	Identify Check-Out User	ACMS shall provide the ability to view which user has checked-out product data from the vault.	(PART 1)...From: Identify Who Is Using To: Identify Check Out User Explanation: (PART 2)...From: ... ability to view which user ... To: ... ability to identify which user ... Explanation:	ACMS shall provide the ability to identify which user has checked-out data from the vault.	Accept AMCOM comment with modification. Replaced "product data" with "data" to be consistent with earlier AMCOM comments.	G Booker/C Crawford	AMCOM
3.1.1.1.2.12	Provide Location-Independent	ACMS shall allow a user to check product data out from a logical partition of a vault without requiring	From: ...data out from a logical partition of a vault without requiring the user to specify the product data's location. To: ... data out	ACMS shall allow a user to check data out from a location (physical location or logical partition) without requiring the	Accept AMCOM comment with modification. Replaced "product data" with "data" to be	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
	Check-Out	the user to specify the product data's location.	from a location (physical location or logical partition) without requiring the user to specify the data's location. Explanation: Agreement from STRICOM meeting.	user to specify the data's location.	consistent with earlier AMCOM comments.		
3.1.1.1.2.13	Specify Check-Out Location	ACMS shall allow the user to specify a particular logical partition from which product data is to be checked out.	From: ...ACMS shall allow the user to specify a particular logical partition from which product data is to be checked out. To: ... Delete in its entirety Explanation: Does this make sense? Once the document is stored, does one have a choice as to where to look for it. Perhaps we should "change check out" to "check in".	Delete	Accept AMCOM's and AMSAA's comments. I can think of one case where one might want this, but it violates the notion of "one data, one location." We seriously considered deleting this ourselves.	Gordon Ney	AMSAA
3.1.1.1.2.13	Specify Check-Out Location		From: ...To: Remove requirement. Explanation: The user does not have a choice. They have to check the data out from wherever it resides.			G Booker/C Crawford	AMCOM
3.1.1.1.2.14	Cancel Check-Out	ACMS shall provide the capability to cancel a "check-out" without modifying the product data.	From: ...without modifying the product data. To: ... without modifying the data. Explanation:	ACMS shall provide the capability to cancel a "check-out" without modifying the data.	Accept AMCOM comment. Note: At the STRICOM meeting, we were repeatedly challenged to specify "what data." After reviewing the comments and considering the action to use "document" in the MIL-STD-2549 sense, we adopted the notion that "product data" = "metadata" + "documents" in the MIL-STD-2549 sense. We explained in Section 1 and defined "product data" to mean this in the Glossary. As a result, we tended to use "product data" as a general term for "data."	G Booker/C Crawford	AMCOM
3.1.1.1.3.1	Provide for Metadata Maintenanc e	ACMS shall provide for updating metadata so that the effects of changes, release levels, approval authorizations, and other controls are implemented.	From: ...Question for Jim Rick - need clarificationwhat is functional requirement? If this stays in should go with 3.1.1.3.1 To: ... Explanation:	Move to 3.1.1.1.5.3 (new number). Change the text to read, "ACMS shall provide the capability to update metadata." Change the title of 3.1.1.1.5 to "Release and Metadata Management Requirements."	This was intended to be a rather simple minded requirement. Just want to make sure metadata can be updated, so that changes can be monitored. "Implemented" was the wrong	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
					word and the information at the end of the requirement is extraneous. Requirement 3.1.1.1.6.1, Record Audit History, provides the capability to monitor the changes. With 3.1.1.1.3.2 being deleted, we recommend moving 3.1.1.1.3.1 to 3.1.1.1.5.3 (new number) and changing the title of 3.1.1.1.5 to "Metadata and Release Management Requirements." This puts it close to 3.1.1.1.6.1 (P1.8.1) which the next comment identifies as covering 3.1.1.1.3.2, the sibling of 3.1.1.1.3.1. Have I made this confusing enough. We expect that this is where AMCOM ment to move the requirement, instead of 3.1.1.3.1, Product Structure Management Requirements. Overall, we see this as a very good catch by AMCOM. Also note that the numbers will change when 3.1.1.1.3, Metadata Management Requirements, goes away.		
3.1.1.1.3.2	Track Metadata Status and Changes	ACMS shall provide for examining metadata to determine its current status and to examine the history of changes to metadata elements.	From: To: Remove this requirement. Explanation: Already covered in P1.8.1, P3.1.1, and P1.5.2.2	Delete	Accept AMCOM comment. Aggree that P1.8.1 (3.1.1.1.6.1, Record Audit History) and P1.5.2.2 (3.1.1.1.4.14, Query Metadata) cover 3.1.1.1.3.2. Not quite sure how P3.1.1 (3.1.1.3.1.1, Create and associate product structure elements) relates, but that is not important.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
3.1.1.1.4. 1	Navigate Product Structures	ACMS shall provide the capability to search and navigate product structures hierarchically for product data through on-screen graphical representations.	From: ACMS shall provide the capability to search and navigate product structures hierarchically for product data through on-screen graphical representations. To: ACMS shall provide the capability to locate product data by navigating product structures hierarchically through on-screen graphical representations. Explanation: Clarify differences between this requirement and 3.1.1.1.4.2 (P1.5.4). (action #68 and action #70)	ACMS shall provide the capability to locate product data by navigating product structures hierarchically through on-screen graphical representations.	Accept BDM comment. Also change requirement title from "Search and Navigate Product Structures" to "Navigate Product Structures," and added a requirement "Search Product Structures."	Margot Delapp	BDM
3.1.1.1.4. 2	View Product Configuration	ACMS shall provide a means for viewing a product's configuration via the links established between product structure elements. This in turn is used to find a specific item within the product's configuration. In other words, navigation uses the links as a means to view a product configuration which in turn is used to find a specific item within the product's configuration.	From: Title: Search and Navigate Product Structure To: Title: View Product Configuration Explanation: This requirement is different from P1.5.2.1 which has the title "Search and Navigate Product Structures." (action #68 & #70)		Accept BDM comment. We named this requirement the same as the previous, thinking there was overlap and wanting to highlight that misconception. On reexamination, we realized there was no overlap. With the change to 3.1.1.1.4.1, we believe the confussion is gone. We believe the BDM suggested title is clearer than the one proposed by AMCOM.	Margot Delapp	BDM
3.1.1.1.4. 2	View Product Configuration		From: Search and Navigate Product Structure To: Search and Navigate Product Structure Via Links Explanation: Para 3.1.1.1.4.1 has same title but different function.			G Booker/C Crawford	AMCOM
3.1.1.1.4. 3	Provide Enterprise-Wide Navigation	ACMS shall provide the capability to locate, display, search, and navigate product structures which are stored by ACMS sites that are not the user's host ACMS site.	From: ... to locate, display, search, and navigate product structures which are stored... To: ... to navigate product structures and to locate, search, and display product data which are stored .... Explanation:	ACMS shall provide to authorized users the capability to search and navigate product structures and to locate, search, retrieve, and display product data which are stored by ACMS sites that are not the user's host ACMS site.	Accept CIMdata comment. We are also showing the AMCOM comment to combine this requirement and the next two with two small modifications (search and retrieve). To really be complete and clear, the following alternative would be needed: "ACMS shall provide to authorized users the capability to search and navigate product structures, to	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
					locate product data via metadata queries and/or product structure navigation, and to retrieve and display product data for product structures and product data which are stored by ACMS sites that are not the user's host ACMS site." Instead, we recommend rejecting the AMCOM comment, not combining the three requirements, leaving 3.1.1.1.4.3 as originally stated, and making two small changes to 3.1.1.1.4.5 and 3.1.1.1.4.6.		
3.1.1.1.4. 3	Provide Enterprise-Wide Navigation		From: ... ACMS shall provide the capability to locate... To: ... ACMS shall provide to authorized users the capability to locate... Explanation: Accessing enterprise and inter-enterprise systems must always be closely controlled.			Alan Mendel	CIMData
3.1.1.1.4. 4	Provide Enterprise-Wide Product Data Location	ACMS shall provide the capability to locate product data which are stored by ACMS sites that are not the user's host ACMS site.	From: ... ACMS shall provide the capability to locate... To: ... ACMS shall provide to authorized users the capability to locate ... Explanation: Accessing enterprise and inter-enterprise systems must always be closely controlled.	Delete	We are showing AMCOM's comment as accepted, but recommend reconsidering given the explanation provided on 3.1.1.1.4.3. If the AMCOM comment is rejected, we recommend the following changes to the originally stated requirement: "ACMS shall provide to authorized users the capability to locate product data which are stored by ACMS sites that are not the user's host ACMS site. Locating product data is accomplished by querying metadata and/or navigating product structures.	Alan Mendel	CIMData
3.1.1.1.4. 4	Provide		From: ...To: Remove this requirement.			G Booker/C	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
	Enterprise-Wide Product Data Location		Explanation: Covered in Para 3.1.1.1.4.3 as modified.			Crawford	
3.1.1.1.4. 5	Provide Enterprise-Wide Product Data Retrieval	ACMS shall provide the capability to retrieve product data which are stored by ACMS sites that are not the user's host ACMS site.	From: ... ACMS shall provide the capability to retrieve... To: ... ACMS shall provide to authorized users the capability to retrieve ... Explanation: Accessing enterprise and inter-enterprise systems must always be closely controlled.	Delete	We are showing AMCOM's comment as accepted, but recommend reconsidering given the explanation provided on 3.1.1.1.4.3. If the AMCOM comment is rejected, we recommend the following changes to the originally stated requirement: "ACMS shall provide to authorized users the capability to retrieve and display product data which are stored by ACMS sites that are not the user's host ACMS site."	Alan Mendel	CIMData
3.1.1.1.4. 5	Provide Enterprise-Wide Product Data Retrieval		From: ...To: Remove this requirement. Explanation: Covered in Para 3.1.1.1.4.3 as modified.			G Booker/C Crawford	AMCOM
3.1.1.1.4. 6	Locate Where-Used	ACMS shall provide the capability to find where a product structure element is used in all product structures. Product structures and product structure elements may be designated as CIs (see Appendix D).	From: ... where a product structure element is used in all product structures. Product structures and product structure elements may be designated as CIs (see Appendix D). To: ... where a part is used in all product structures. (Remove the last sentence on this requirement.) Explanation: CI requirements are already covered in Para 3.1.2.3.1.	ACMS shall provide the capability to find where a product structure element is used in all product structures.	Recommend Rejecting changing to "part." We standardized on "product structure elements" in lieu of "parts, components, assemblies, and end-items ." Accept the deletion of the last sentence.	G Booker/C Crawford	AMCOM
3.1.1.1.4. 7	Determine Product Structure Elements Used	ACMS shall provide the capability to determine what product structure elements are used in a given product structure.	From: ... what product structure elements are used in a given product structure. To: ... what product structure elements are used in a given product structure. Also provide the capability to determine the quantity and release status of each product structure element, as well		Recommend Rejecting changing to "part." We standardized on "product structure elements" in lieu of "parts, components, assemblies, and end-items ." Also	Alan Mendel	CIMData

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			as other critical information such as if the elements is optional. Explanation: Additional functional requirements that should be expected from COTS.		recommend rejecting CIMdata comment. Specification of detailed data requirements is left to industry "best practices" and as implied by the MIL-STD-2549 interface requirements. If the Task Force chooses to accept the new CIMdata requirement, we recommend assigning the following temporary number (3.1.1.3.1.8-1) to locate it with the most appropriate siblings.		
3.1.1.1.4. 7	Determine Product Structure Elements Used		From: ... what product structure elements are used in a given product structure. To: ... what parts are used in a given assembly. Explanation:			G Booker/C Crawford	AMCOM
3.1.1.1.4. 9	Define Valid Relationship Types	ACMS shall provide the capability to create, modify, and delete new link types which describe relationships between product data.	From: ... ACMS shall provide the capability to create, modify, and delete new link types... To... ACMS shall provide the capability to create, modify, and delete new user definable link types... Explanation: Very few COTS allow the creation, modification and deletion of all relationships within their data models. They do allow such in user definable or sub-classed relationships. Changes to super class data types and their relationship links usually result in large custom systems of COTS that are not cost effective to maintain.	ACMS shall provide the capability to create, modify, and delete user-defined link types which describe relationships between product data.	Accept combined comments. Replaced "new" with "user-defined."	Alan Mendel	CIMData
3.1.1.1.4. 9	Define Valid Relationship Types		From: ...create, modify, and delete new link types..... To: ... create, modify, and delete link types..... Explanation: The word new is not needed.			Gordon Ney	AMSAA
3.1.1.1.4. 9	Define Valid Relationship Types	ACMS shall provide the capability to create, modify, and delete new link types which describe relationships between product data.	From: ... and delete new link types which To: ... and delete link types which Explanation:	ACMS shall provide the capability to create, modify, and delete user-defined link types which describe relationships between product data.	Accept combined comments. Replaced "new" with "user-defined."	G Booker/C Crawford	AMCOM
3.1.1.1.4.10	Relate	ACMS shall provide the capability to	From: ... To: Move this requirement to		Recommend Rejecting. We are	G Booker/C	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
	Product Structure Elements and Product Data	create links between product structure elements and product data.	Para 3.1.1.3 Explanation:		building the ability to locate product data via links to product structure elements. To move this requirement would disrupt the flow.	Crawford	
3.1.1.1.4.11	Define Valid Relationship Rules	ACMS shall provide the capability to implement rules which govern the behavior of links (e.g. types of product structure elements and product data which can be associated via a particular link type).	From: ...To: ... DELETE (P1.5.3.4) Explanation: This requirement, Define Valid Relationship Rules, is ambiguous at best. The intent was to be able to constrain the the types of objects on each end of a type of relationship. To specify this kind of requirement is probably too close to being an implementation requirement. (action #55)	Delete	Accept.	Margot Delapp	BDM
3.1.1.1.4.11-1	Define Valid Relationship Types	ACMS shall provide the capability to create, modify, and delete new link types which describe relationships between product structure elements and product data.	From: ...NEW REQUIREMENT To: Define Valid Relationship Types... ACMS shall provide the capability to create, modify, and delete new link types which describe relationships between product structure elements and product data. Explanation: Parallels 3.1.1.1.4.9 for product structure elements and product data relationships. (action #55)	ACMS shall provide the capability to create, modify, and delete user-defined link types which describe relationships between product structure elements and product data.	Accept with modification (user-defined link).	Margot Delapp	BDM
3.1.1.1.4.12	Create Groupings	ACMS shall have the capability to group like product structure elements based on a minimum set of required attributes. Each grouping will have a different set of required attributes.	From: ... a minimum set of required attributes. Each grouping will have a different set of required attributes. To: ... a minimum set of required attributes and attribute values. Each grouping will have a different set of required attributes and attribute values. Explanation: Clarifying that the group is defined by both a unique set of attributes and attribute values. Also making the connection with 3.1.1.1.4.14 clearer. (Action # 84)	ACMS shall have the capability to group like product structure elements based on a minimum set of required attributes and attribute values. Each grouping will have a different set of required attributes and attribute values.		Sandy Santa Cruz	BDM
3.1.1.1.4.14	Query Metadata	ACMS shall provide the ability to query metadata for specific values, ranges of values, and logical combinations using Boolean operations.	From: ... query metadata for specific values, ... To: ... query metadata for specific attribute values, ... Explanation: Making the connection with 3.1.1.1.4.12 clearer. (Action # 84)	ACMS shall provide the ability to query metadata for specific attribute values, ranges of values, values within a percentage of a given value, and logical combinations using Boolean operations.	Recommend Rejecting AMCOM comment. One queries metadata to locate product data. Accept BDM and CIMdata comments.	Sandy Santa Cruz	BDM
3.1.1.1.4.14	Query Metadata		From: ... query metadata for specific To: ... query product data and metadata for specific			G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			Explanation:				
3.1.1.1.4.14	Query Metadata		From: ... for specific values, ranges of values, and logical combinations using Boolean operations. To: ... for specific values, ranges of values, values within a percentage of a given value, and logical combinations using Boolean operations. Explanation: Search mechanism that can be extremely helpful when searching for product information.			Alan Mendel	CIMData
3.1.1.1.4.16	Support Various Query Methods	ACMS shall allow for fill-in-the-blank, wild card, and command line queries.	From: ... ACMS shall allow for fill-in-the-blank, wild card, and command line queries. To: ... ACMS shall allow for fill-in-the-blank and wild card queries. Command line query capability is also desirable. This capability could be provided through a 3rd party tool. Explanation: Command line query capabilities tend to be very unfriendly and no longer well supported by COTS due to market demands.	ACMS shall allow for fill-in-the-blank and wild card queries.	Accept first line of CIMdata's comment. Probably need to discuss briefly to ensure everyone agrees.	Alan Mendel	CIMData
3.1.1.1.5.1	Support Electronic Approvals	ACMS shall provide for electronic indication of approval along with the name of the approver and a date and time stamp. This can be used for such processes as Engineering Change Proposal (ECP) approvals, access approvals, and release approvals. It also can indicate task completion.	From: ...Engineering Change Proposal (ECP) To: ... "Engineering Change Action" or keep as "Engineering Change Proposal (ECP)" Explanation: The definitions of engineering change display, and change action in the glossary are not used consistently within the body of the document. The term engineering change action is used extensively and never defined. The term Engineering Change Proposal is used several times and is not defined. The term electronic displays such as Engineering Change Proposal (ECPs) is used, and is another inconsistent use of terms.Suggest that we use the terms consistently. One approach would be to use the following definitions and apply consistently through out the document. It would be nice to use definitions with an existing source, like 2549, 61 or 649. ECP and Engineering Change are defined in MIL-STD-2549. Memory fades, I thought that we were going to use the term	ACMS shall provide for electronic indication of approval for product data release, along with the name of the approver and a date and time stamp.	Accept BDM comment. This makes the AMSAA comment no longer applicable. Note that the evolution of this requirement had not quite made it way to being a release management requirement. Also note that the examples from the original requirement have been moved to 3.1.1.2.2.10 which is a more general electronic approval requirement for workflows.	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			engineering change action as a defined term to address what you have under change action. Is there a difference between an engineering change action and a change action? If you can come up with a better approach then use it, just be consistent in the application of the approach. Engineering Change action Modification of a product, the data and metadata related to the product. Engineering Change action examples include engineering change proposals, and deviations. Note: deletion of waivers. Engineering Change Action Display A predefined electronic display that represents a form and is created in ACMS to facilitate description and review of an engineering change action. Engineering Change Proposal (ECP) The documentation by which a proposed engineering change is described, justified, and submitted to the current document change authority for approval or disapproval. Engineering Change A change to the current approve configuration documentation of a configured item.				
3.1.1.1.5.1	Support Electronic Approvals		From: ... ACMS shall provide for electronic indication of approval along with the name of the approver and a date and time stamp. This can be used for such processes as Engineering Change Proposal (ECP) approvals, access approvals, and release approvals. It also can indicate task completion. To: ... ACMS shall provide for electronic indication of approval for product data release, along with the name of the approver and a date and time stamp. Explanation: Clarify coverage of requirement for electronic approval of released data. The evolution of this requirement had not quite made it way to being a release management requirement. Note. The examples from the original requirement have been moved to 3.1.1.2.2.10 which is a more			Margot Delapp	BDM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			general electronic approval requirement for workflows. (action #72)				
3.1.1.1.6.1	Record Audit History	ACMS shall provide an audit history of all adds, changes, and deletes. All history records will have a date/time stamp and the user performing the function. History records also will include full add information, the from and to conditions for changes, and full delete information. "Full add and delete information" implies the system captures a complete record of the record that changes. "From/to change information" implies the system only captures the from and to information for the fields that change and the values of the fields that are the record keys.	From: ... (2nd sentence) will have a date/time stamp and the user performing .... To: ... will have a date/time stamp and indicate the user performing ..... Explanation: add the word "indicate"	ACMS shall provide an audit history of all adds, changes, and deletes. All history records will have a date/time stamp and indicate the user performing the function. History records also will include full add information, the from and to conditions for changes, and full delete information. "Full add and delete information" implies the system captures a complete record of the record that changes. "From/to change information" implies the system only captures the from and to information for the fields that change and the values of the fields that are the record keys.	Accept BDM comment pending ARDEC information. Added the word "indicate."	Sandy Santa Cruz	BDM
3.1.1.1.6.1	Record Audit History		From: ...To: Picatinny to include Tech Loop audit transactions here based on VTC. Explanation:			G Booker/C Crawford	AMCOM
3.1.1.1.6.3	Record Product Data Transport Transactions	ACMS shall provide the capability to record information about the product data transport transactions within ACMS. For example, ACMS should record the time, initiator, and recipient of the transaction.	From: ... For example, ACMS should record the time, initiator, and recipient of the transaction. To: ... For example, ACMS should record the time, initiator, and recipient of the transaction. A transaction log should be accessible by authorized users. Explanation: Transaction logs should have some level of security.	ACMS shall provide the capability to record data transport transaction information such as the time, initiator, and recipient in a log which is accessible by authorized users only.	Accept CIMdata comment with minor modification. Originally, this requirement was part of a set of six requirements pertaining to data exchange via transport and translation. Two of the six were deleted at the STRICOM meeting (P6.1.1 and P6.1.3). Two others were good external interface requirements and were moved there (P6.1.2 and P6.1.5). One was moved to be with the data translation requirements (P6.1.4). This left only P6.1.6 under the heading P6.1, Transport Data. Since it was recording data transport transactions for posterity, we	Alan Mendel	CIMData

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
					moved it under Audit History Requirements.		
3.1.1.1.6.3	Record Product Data Transport Transactions		From: ... To: This requirement made sense within the original framework but now it has been moved and we are not sure of its functional usage. Explanation:			G Booker/C Crawford	AMCOM
3.1.1.2.1.1	Create and Save Workflow Templates	ACMS shall provide the ability to create and save pre-defined workflow templates that automate regular and repeatable processes.	From: ... provide the ability to create and save pre-defined workflow templates ... To: ... provide the capability to create, save, retrieve, and reuse pre-defined workflow templates ... Explanation: During the Tech Loop VTC, BDM was tasked to ensure that the notion of workflow and data associated with a workflow could be reused (refer to T0003). This change clarifies the requirement for workflow reuse. See changes to 3.1.1.2.1.6 and 3.1.2.2.3 for reuse of associated workflow data. (Action # 88)	ACMS shall provide the capability to create, save, retrieve, and reuse pre-defined workflow templates that automate regular and repeatable processes.	Accept BDM comment.	Jim Cox	BDM
3.1.1.2.1.3	Support Workflow Steps, Timing, and Dependencies	Both predefined and ad hoc workflows shall be capable of incorporating sequential, parallel, and conditional steps.	From: ... Both predefined and ad hoc workflows shall be capable of incorporating sequential, parallel, and conditional steps. To: ACMS shall be capable of incorporating sequential, parallel, and conditional steps for both predefined and ad hoc workflows. Explanation: Consistent expression of ACMS requirements.	ACMS shall be capable of incorporating sequential, parallel, and conditional steps for both predefined and ad hoc workflows.	Accept AMSAA comment.	Gordon Ney	AMSAA
3.1.1.2.1.4	Specify Workflow Rules	Both predefined and ad hoc workflows shall support voting, commenting, routing, and time-out rules.	From: ...Both predefined and ad hoc workflows shall support voting, commenting, routing, and time-out rules. To: ... ACMS shall support voting, commenting, routing, and time-out rules for both predefined and ad hoc workflows. Explanation: Consistent expression of ACMS requirements.	ACMS shall provide the capability to establish voting rules and time-out rules for both predefined and ad hoc workflows. Time-out rules are also known as escalation rules.	Accept BDM and CIMdata comments with modifications. Upon reflection, establishing task routing is what workflow is all about. Also, requirement 3.1.1.2.2.7 handles the execution associated with routing data. Also upon reflection, it does not seem necessary to have a commenting requirement as part of workflow definition.	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
					One is needed for workflow exectution and we are proposing to augment 3.1.1.2.2.11 to handle that.		
3.1.1.2.1.4	Specify Workflow Rules		From: ... Specify Workflow Rules. Both predefined and ad hoc workflows shall support voting, commenting, routing, and time-out rules. To: ... Support Time-Out Rules. ACMS shall support workflows with time-out rules. Explanation: Voting and commenting in 3.1.1.2.2.11 as modified. (Action # 85)			Sandy Santa Cruz	BDM
3.1.1.2.1.4	Specify Workflow Rules		From: ... Both predefined and ad hoc workflows shall support voting, commenting, routing and time-out rules. To: ... Both predefined and ad hoc workflows shall support voting, commenting, routing and time-out (escalation) rules. Explanation: Time-outs are also know as escalation.			Alan Mendel	CIMData
3.1.1.2.1.5	Create Action Triggers	Both predefined and ad hoc workflows shall support creating action triggers.	From: ... Both predefined and ad hoc workflows shall support creating action triggers. To: ... ACMS shall support creating action triggers for both predefined and ad hoc workflows. Explanation: Consistent expression of ACMS requirements.	ACMS shall support creating action triggers for both predefined and ad hoc workflows.	Accept AMSSA comment.	Gordon Ney	AMSAA
3.1.1.2.1.6	Associate Product Data	ACMS shall provide the ability to associate product data with a workflow.	From: ... ACMS shall provide the ability to associate product data with a workflow. To: ... ACMS shall provide the ability to associate product data with a workflow through the use of an electronic folder or packet. Explanation: This is typical COTS language.	ACMS shall provide the capability to associate product data with a workflow, save the association, retrieve the workflow and associated product data, and reuse the workflow and associated product data as a new instance of the workflow.	Accept BDM comment. Recommend rejecting CIMdata comment as implementation specific. If the Task Force desires to retain the CIMdata comment, recommend the following additional sentence at the end, "This association may be implemented through the use of an electronic folder or packet."	Alan Mendel	CIMData
3.1.1.2.1.6	Associate Product Data		From: ... provide the ability to associate product data with a workflow. To: ... provide the capability to associate product data with a workflow, save the association,			Jim Cox	BDM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			retrieve the workflow and associated product data, and reuse the workflow and associated product data as a new instance of the workflow. Explanation: During the Tech Loop VTC, BDM was tasked to ensure that the notion of workflow and data associated with a workflow could be reused (refer to T0003). This change clarifies the requirement for reuse of product data associated with a workflow. See changes to 3.1.2.2.3 for another case of reusing workflow data and 3.1.1.2.1.1 for workflow reuse. (Action # 88)				
3.1.1.2.2. 1	Monitor Workload	ACMS shall provide the ability to determine the progress of a workflow and to monitor the workload of resources associated with multiple workflows.	From: ... Monitor Workflow. ACMS shall provide the ability to determine the progress of a workflow and to monitor the workload of resources associated with multiple workflows. To: ... Monitor Workload. ACMS shall provide the capability to monitor the workload of resources associated with multiple workflows. Explanation: Needed to split the compound requirement so that we could designate monitoring workload of resources as a future requirement in Table 6-1, without also designating determine the progress of a workflow as future. See also 3.1.1.2.2.1-1. (Action # 86)	ACMS shall provide the capability to monitor the workload of resources associated with multiple workflows.	Accept BDM comment. With respect to CIMdata comment, this requirement is designated future in Table 6-1 (Now II or III). Recommend rejecting CIMdata's suggestion to add implementation specific language.	Sandy Santa Cruz	BDM
3.1.1.2.2. 1	Monitor Workload		From: ... and to monitor the workload of resources associated with multiple workflows. To: ... and to monitor the workload of resources associated with multiple workflows or integrate with a 3rd party project management and/or resource management tool that can. Explanation: Most COTS do not have this type of functionality.			Alan Mendel	CIMData
3.1.1.2.2. 1-1	Determine Workflow Progress	ACMS shall provide the capability to determine the progress of a workflow.	From: ... NEW REQUIREMENT To: ... Determine Workflow Progress. ACMS shall provide the capability to determine the progress of a workflow. Explanation: Needed to split the compound requirement 3.1.1.2.2.1 so	ACMS shall provide the capability to determine the progress of a workflow.	Accept BDM comment.	Sandy Santa Cruz	BDM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			that we could designate monitoring workload of resources as a future requirement in Table 6-1, without also designating determine the progress of a workflow as future. (Action # 86)				
3.1.1.2.2. 2	Highlight Late Tasks	ACMS shall provide electronic notification of tasks that have not been completed prior to the due date. Notification will be to the user that initiated the workflow task and others as required.	From: ... Notification will be to the user that initiated the workflow task and others as required. To: ... Notification will be to the user that initiated the workflow task and others as required. Notifications will be delivered through commercial email system integrations. Explanation: Need to make sure that COTS have more than their own mail systems.	ACMS shall provide electronic notification of tasks that have not been completed prior to the due date. Notification will be to the user that initiated the workflow task and others as required. Notification will be to the user that initiated the workflow task and others as required. Notifications may be delivered through commercial email systems.	Accept with modification.	Alan Mendel	CIMData
3.1.1.2.2. 3	Record Workflow History	ACMS shall provide for capturing information on the performance of a workflow and to review the events and results associated with the workflow.	From: ... for capturing information on the performance of a workflow and to... To: ... for capturing information on the performance of a workflow (e.g. how long someone has had a folder, how long the workflow took to execute, etc.) and to... Explanation: Need some examples so that the vendor can respond.	ACMS shall provide for capturing information on the performance of a workflow (for example, how long someone has had a folder, and how long the workflow took to execute) and to review the events and results associated with the workflow.	Accept with modification based on earlier comment to replace "e.g.,"	Alan Mendel	CIMData
3.1.1.2.2. 4	Check Work Queues	ACMS shall allow the users to check work queues for any workflow assigned task.	From: ... ACMS shall allow the users to check work queues for any workflow assigned task. To: ... ACMS shall allow authorized users to check work queues for any workflow assigned task. Explanation: A potential security issue.	ACMS shall allow authorized users to check work queues for any workflow assigned task.	Accept.	Alan Mendel	CIMData
3.1.1.2.2. 5	Generate Event Notifications	Both predefined and ad hoc workflows shall be capable of generating and disseminating event notifications.	From: ...Both predefined and ad hoc workflows shall be capable of generating and disseminating event notifications. To: ... ACMS shall be capable of generating and disseminating event notifications for both predefined and ad hoc workflows. Explanation: Consistent expression of ACMS requirements.	ACMS shall be capable of generating and disseminating event notifications for both predefined and ad hoc workflows.	Accept.	Gordon Ney	AMSAA
3.1.1.2.2. 9	Distribute Product Data and Notifications	ACMS shall provide for the distribution of folders or packages and the transmission of notifications.	From: To: DELETE Explanation: "distribution of folders or packages" is covered by 3.1.1.2.2.7 (P2.2) which requires "ability to route product data through a defined workflow," and "transmission of notifications" is covered by 3.1.1.2.2.5 (P2.1.6) and 3.1.1.2.2.2	Delete	Accept.	Margot Delapp	BDM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			(P2.1.12). (action #71)				
3.1.1.2.2.10	Provide Electronic Sign-off	ACMS shall provide for electronic indication of approval or authorization. This can be used to signify task completion or product sign-off.	From: ... ACMS shall provide for electronic indication of approval or authorization. To: ... ACMS shall provide for electronic indication of approval or authorization through a mechanism that guarantees the authenticity of the approver such as a second level password that must be entered for the signoff to become valid. Explanation: Those that approve/signoff must verify that they are authorized. Just logging into the system is generally not sufficient for secure or regulated organizations, e.g., a user may leave their work site while still logged into the system. A second level (additional password used only for signoffs and other secure activities) password provides an increased validation of authorized individuals.	ACMS shall provide for electronic indication of approval or authorization through a mechanism that guarantees the authenticity of the approver such as a second-level password that must be entered for the signoff to become valid. This may be used to signify task completion, product sign-off, or engineering change action approval.	Accept BDM comment with modifications. Accept CIMdata comment.	Alan Mendel	CIMData
3.1.1.2.2.10	Provide Electronic Sign-off		From: ... This can be used to signify task completion or product sign-off. To: ... This can be used to signify task completion or product sign-off as in engineering change action approvals. Explanation: Moved the example of engineering change action electronic approvals from 3.1.1.1.5.1 to here. (action #72)			Margot Delapp	BDM
3.1.1.3.1.4	Maintain Product Structure Element Revisions	ACMS shall provide the capability to create and modify revisions of product structure elements. These revisions can be either released and non-released revisions.	From: ... .. (2nd sentence) ...either released and non-released revisions. To: ... either released or non-released revisions. Explanation:	ACMS shall provide the capability to create and modify revisions of product structure elements. These revisions can be either released or non-released revisions.	Accept.	G Booker/C Crawford	AMCOM
3.1.1.3.1.6	Maintain Product Structure Revisions	ACMS shall increment the product structure revision indicator when the product structure is changed by adding, modifying, and deleting particular product structure element revisions, effectivities, or options such as alternative or substitute parts.	From: ... ACMS shall increment the product structure revision indicator... To: ... ACMS shall increment the product structure revision indicator based on defined rules... Explanation: Rules need to be determined as to when product structures are incremented and at what level in the product structure. For example, do changes to a subassembly drive a change to the parent	ACMS shall increment the product structure revision indicator based on defined rules such as when the product structure is changed by adding, modifying, or deleting particular product structure element revisions, effectivities, or options such as alternative or substitute parts.	Accept AMCOM comment. Accept CIMdata comment with modification.	Alan Mendel	CIMData

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			assembly or does it depend on the type of change?				
3.1.1.3.1.6	Maintain Product Structure Revisions		From: ... modifying, and deleting particular product structure element revisions, effectivities, or options such as alternative or substitute parts. To: ... modifying, or deleting particular product structure element revisions, effectivities, or options such as alternate or substitute parts. Explanation:			G Booker/C Crawford	AMCOM
3.1.1.3.1.8	Support Multiple Baseline Effectivities	ACMS shall support multiple baselines within a product structure and be able to specify the effectivity of the baseline using various methods to include by serial number, production date, matched sets, and lot.	From: ... ACMS shall support multiple baselines within a product structure and be able to specify the effectivity of the baseline using various methods to include by serial number, production date, matched sets, and lot. To: ... ACMS shall support multiple baselines of a particular product structure and be able to specify the effectivity of each baseline using various methods to include by serial number, production date, matched sets, and lot. Explanation: Clarify the requirement. Minor changes.	ACMS shall support multiple baselines within a product structure including specifying effectivity by serial number, end item, lot, block, production date, unit identification, and matched sets to support as-built and as-modified configurations.	Accept AMCOM comment, but recommend considering the following alternative: "ACMS shall support multiple baselines of a particular product structure and be able to specify the effectivity of each baseline using various methods such as serial number, end item, lot, block, production date, unit identification, and matched sets to support as-built and as-modified configurations." Question: What is unit identification? Also note CIMdata's comment about the inability of COTS products to support all these effectivity schemes.	Sandy Santa Cruz	BDM
3.1.1.3.1.8	Support Multiple Baseline Effectivities		From: ... structure and be able to specify the effectivity of the baseline using various methods to include by serial number, production date, matched sets, and lot. To: ... structure including specifying effectivity by serial number, end item, lot, block, production date, unit identification, and matched sets to support as-built and as-modified configurations. Explanation:			G Booker/C Crawford	AMCOM
3.1.1.3.1.8	Support Multiple		From: ... baselines using various methods to include by serial... To: ... baselines using			Alan Mendel	CIMData

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
	Baseline Effectivities		various methods such as serial ... Explanation: Few COTS will be able to support all the these methods (serial, date, sets, and lots)				
3.1.1.3.2.1	Provide Multiple Product Structure Views	ACMS shall provide the capability to create, display, and print various views of a product structure. Example views include a designer's view, a manufacturer's view, and a program manager's view.	From: ... (2nd sentence)...a program manager's view. To: ... a program manager's view or a view of Configuration Items (CIs). Explanation:	ACMS shall provide the capability to create, display, and print various views of a product structure. Example views include a designer's view, a manufacturer's view, and a program manager's view or a view of Configuration Items (CIs).	Accept.	G Booker/C Crawford	AMCOM
3.1.1.4.1	Maintain WBS and Relate Product Data to Tasks	ACMS shall provide the capability to create and maintain a project work breakdown structure (WBS) and allow users to relate ACMS controlled product data and product structures to the WBS tasks.	(PART 1)...From: ...To: ... Explanation: Need from Jim Rick (PART 2)...From: ...To: ... work breakdown structure (WBS) IAW MIL-STD-881 and allow users ....Explanation:	ACMS shall provide the capability to create and maintain a project work breakdown structure (WBS) in accordance with MIL-STD-881 and allow users to relate ACMS controlled product data and product structures to the WBS tasks.	Accept AMCOM comment. Note the CIMdata comment. Does the Army really want these program management requirements in ACMS? If so, should they be designated as future requirements in the Section 6 table.	G Booker/C Crawford	AMCOM
3.1.1.4.1	Maintain WBS and Relate Product Data to Tasks		From: ... allow users to relate ACMS controlled product data and product structures to the WBS tasks. To: ... allow users to relate ACMS controlled product data and product structures to the WBS tasks. This functionality can either be provided through integration with another 3rd party application or through extensions to the COTS PDM. Explanation: COTS do not support this functionality well. Integration is usually necessary.			Alan Mendel	CIMData
3.1.1.4.2	Develop Schedule and Monitor Status	ACMS shall provide the ability to create schedules for WBS tasks and determine the status of tasks as well as the status of ACMS controlled product data and product structures associated with the tasks.	(PART 1) From: ... product data and product structures associated To: ... product data associated Explanation: Need from Jim Rick (PART 2)...From: ...To: ... Remove this requirement.Explanation:	Delete	Accept AMCOM comment.	G Booker/C Crawford	AMCOM
3.1.1.4.2	Develop Schedule and Monitor Status		From: ... ACMS controlled product data and product structures associated with the tasks. To: ... ACMS controlled product data and product structures associated with the tasks. This functionality can either be provided			Alan Mendel	CIMData

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			through integration with another 3rd party application or through extensions to the COTS PDM. Explanation: COTS do not support this functionality well. Integration is usually necessary.				
3.1.1.4.3	Assign and Track Resources	ACMS shall provide the capability to assign resources to tasks and track the expenditure of those resources.	From: ... resources to tasks and track the expenditure of those resources. To: ... resources to tasks and track the expenditure of those resources. This functionality can either be provided through integration with another 3rd party application or through extensions to the COTS PDM. Explanation: Almost none of the PDM COTS support this functionality. Integration will be necessary.	Delete	Accept AMCOM comment.	Alan Mendel	CIMData
3.1.1.4.3	Assign and Track Resources		...dealing with assigning resources to tasks and tracking their expenditure. Is there an intent to link expenditure with task accomplishment? What is stated appears to be only a track of burn rate, which only tells you if you are spending resources at ome projected rate or some other rate over time. The real measure is one of expenditure vs accomplishment, ie., performance measurement. One can spend resources according to plan and have nothing to show for it, or one can find a way to do it for less more quickly - or anywhere in between. Burn rate tracking does not provide insight. If we are to develop a system that appears to have the power and capabilities that are identified in the spec, it seems a shame to overlook such a key management indicator as the relationship between task cost and task accomplishment.			A. Tony Yablonicky	SSCOM
3.1.1.4.3	Assign and Track Resources		From: ... To: ... Remove this requirement. Explanation:			G Booker/C Crawford	AMCOM
3.1.1.5.2	Add Translators	ACMS shall include the capability to add product data translators. When translation is necessary, ACMS will schedule and route the product data to	From: ... to add product data translators. To: ... to incrementally add product data translators. Explanation: Agreed to at the STRICOM meeting.	ACMS shall include the capability to incrementally add product data translators.	Accept AMCOM and BDM comments.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		appropriate translators, apply default settings for translations, initiate the translation, and route the output to the user.					
3.1.1.5.2	Add Translators		From: ... To: ... delete second sentence, "When translation is necessary,....." Explanation: This sentence is a duplicate of requirement 3.1.1.5.5 (P6.1.4). (action #76)			Sandy Santa Cruz	BDM
3.1.1.6.1	Create and Display Viewable Images	ACMS shall provide the capability to create and display viewable images using one or more of the following viewing software applications: TBD.	From: ... software applications: TBD. To: ... software applications found in Para 3.2. Explanation:	ACMS shall provide the capability to create and display viewable images using one or more of the following viewing software applications: TBD. (This requirement should be tailored by the implementing command at the time of acquisition.)	Recommend Rejecting pending explanation. Recommend adding the phrase, "(This requirement should be tailored by the implementing command at the time of acquisition.)"	G Booker/C Crawford	AMCOM
3.1.1.6.5	Print Viewable Images and Redlines	ACMS shall provide the capability to print viewable images and redlines.	From: ... ACMS shall provide the capability to print viewable images and redlines. To: ... ACMS shall provide the capability to print viewable images and redlines. This capability can be provided by a COTS integrated viewer/browser or through an embedded viewer/browser. Explanation: This functionality is almost always provided by a COTS viewer/browser, such as Rosetta.	ACMS shall provide the capability to print viewable images and redlines. This capability may be provided by a COTS integrated viewer/browser or through an embedded viewer/browser.	Accept CIMdata comment.	Alan Mendel	CIMData
3.1.1.7.1. 1	Create User Information	ACMS shall provide the capability to establish and modify user information and access permissions.	(PART 1)...From: .. Title ...Establish User Information To: . Title ...Create User InformationExplanation: (PART 2)...From: ... to establish and To: ... to create and Explanation:	ACMS shall provide the capability to create and modify user information and access permissions.	Accept.	G Booker/C Crawford	AMCOM
3.1.1.7.1. 3	Modify Password	ACMS shall provide the capability for the user to change a his or her password.	From: ... for the user to change a his or her password. To: ... for the user to change his or her password. Explanation: delete"a"	ACMS shall provide the capability for the user to change his or her password.	Accept.	Sandy Santa Cruz	BDM
3.1.1.7.1. 3	Modify Password		From: ... change a his or her To: ... change his or her Explanation:			G Booker/C Crawford	AMCOM
3.1.1.7.1. 7	Assign Users to Roles within Groups	ACMS shall provide the capability to assign users to roles within groups.	From: ... To: ... (add a 2nd sentence) This means a user's role assignment is only valid for the specified group or groups. Explanation: An attempt to further clarify the	ACMS shall provide the capability to assign users to roles within groups. This means a user's role assignment is only valid for the specified group or groups.	Accept.	Sandy Santa Cruz	BDM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			use of roles within groups. (Action # 83)				
3.1.1.7.1. 8	Tailor User's Role and Group Permissions	ACMS shall provide the capability tailor role and group permissions for a specific user.	From: ...capability tailor role To: ...capability to tailor role Explanation: Editorial clarification	ACMS shall provide the capability to tailor role and group permissions for a specific user.	Accept.	Gordon Ney	AMSAA
3.1.1.7.1. 8	Tailor User's Role and Group Permissions		From: ... capability tailor role .To: ... capability to tailor role Explanation:			G Booker/C Crawford	AMCOM
3.1.1.7.1. 8	Tailor User's Role and Group Permissions		From: ...provide the capability tailor .... To: ...provide the capability to tailor ...Explanation: add the word "to"			Sandy Santa Cruz	BDM
3.1.1.7.1. 9	Associate Product Structures and Product Data to Groups	ACMS shall provide the capability to associate product structures and product data to groups.	From: ... To: ... (add a 2nd sentence) This can be used, for example, as the means for restricting access based on file type or release status. Explanation: Adding this sentence explains how file type and document release status (referenced in the now deleted 3.1.1.1.2.4) would be handled. (Action # 83)	ACMS shall provide the capability to associate product structures and product data to groups. This can be used, for example, as the means for restricting access based on file type or release status.	Accept.	Sandy Santa Cruz	BDM
3.1.1.7.1.10	Limit Access	ACMS shall limit a user's access to product structures and product data associated with a group based on the most restrictive access permissions specified for the user, the role assigned to the user, or the group to which the user and role are assigned.	From: ... product data associated with a group based on .... To: ... product data based on Explanation:	ACMS shall limit a user's access to product structures and product data based on the most restrictive access permissions specified for the user, the role assigned to the user, or the group to which the user and role are assigned.	Accept.	G Booker/C Crawford	AMCOM
3.1.1.7.1.11	Enter New Password	New Requirements...Users shall be required to enter new passwords periodically as defined by the administrator.	From: To: Users will be required to enter new passwords periodically as defined by the system administrator. Explanation: Password expiration is very important. There is probably government rules regarding time frame, etc.	ACMS shall require the user to enter a new password periodically as defined by the administrator.	Accept with modification.	Alan Mendel	CIMData
3.1.1.7.2.1	Manage Distributed Data Environment	ACMS shall provide the capability to maintain, coordinate, and synchronize a distributed data environment that includes multiple sites, multiple servers, multiple networks, multiple repositories, and multiple PDM systems.	From: ...To: ... Add requirement 3.1.1.7.2.1 Manage distributed Data Environment Explanation: This requirement is not now commercially available per CIM Data assessment, and may not be in near future.	ACMS shall provide the capability to maintain, coordinate, and synchronize a distributed data environment for metadata and documents that includes multiple sites, multiple servers, multiple networks, multiple repositories, and multiple PDM systems.	Accept CIMdata comment with modification. AMSAA comment was against Table 6-1, but better discussed here. Only the "multiple PDM systems" part of 3.1.1.7.2.1 is in the future. Recommend	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
					either splitting the requirement into at least two pieces or not designate it as a future requirement.		
3.1.1.7.2.1	Manage Distributed Data Environment		From: ... synchronize a distributed data environment that... To: ... synchronize a distributed data environment (metadata as well as managed data objects) that.... Explanation: Need to be more specific. Many vendors only provide distributed file storage.			Alan Mendel	CIMData
3.1.1.7.3.2	Restore ACMS	ACMS shall provide the capability to restore the system using transaction logs and backups in support of normal data protection operations and COOPs.	(PART 1)...From: ...To: Need to add Archive and Backup to the Glossary. Explanation: (PART 2)...From: ... protection operations and COOPs. To: ... protection operations and Continuity of Operations Plans (COOPs). Explanation:	ACMS shall provide the capability to restore the system using transaction logs and backups in support of normal data protection operations and Continuity of Operations Plans (COOPs).	Accept COOP comments. Action taken to add Archive and Backup to Glossary.	G Booker/C Crawford	AMCOM
3.1.1.7.3.2	Restore ACMS		From: ...COOPs. To: ...Continuity of Operations Plans (COOPs) Explanation: first occurrence of the acronym			Gordon Ney	AMSAA
3.1.1.7.3.3	Retrieve from Archives	ACMS shall provide the capability to request that data be retrieved from off-line archival storage to support Continuity of Operations Plans (COOPs).	From: ...capability to request that data be retrieved from off-line archival storage to support Continuity of Operations Plans (COOPs). To: ... capability to retrieve data from off-line archival storage to support COOPs. Explanation:	ACMS shall provide the capability to retrieve data from off-line archival storage to support COOPs.	Accept.	G Booker/C Crawford	AMCOM
3.1.1.7.3.3	Retrieve from Archives		From: ... Continuity of Operations Plans (COOPs) To: ... COOPs Explanation: second occurrence of the acronym			Gordon Ney	AMSAA
3.1.1.7.4.1	Create and Modify Metadata Defaults	ACMS shall provide the system administrator with the ability to create and modify metadata defaults.	From: ... the ability to create and modify metadata defaults. To: ... the ability to create and modify default values for metadata. Explanation: Adjust wording to increase clarity of specification.	ACMS shall provide the system administrator with the ability to create and modify default values for metadata.	Accept.	Alan Mendel	CIMData
3.1.1.7.4.3	Customize System Messages and Terminology	ACMS shall provide the system administrator with the capability to customize the system messages and terminology.	From: ... to customize the system messages and terminology. To: ... to customize the system messages, terminology, and on-line help. Explanation: Need to be able to do this.	ACMS shall provide the system administrator with the capability to customize the system messages, terminology, and on-line help.	Accept.	Alan Mendel	CIMData

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
3.1.1.7.4.4	Add New Functionality	ACMS shall provide the system administrator with the capability to add new ACMS functionality such as defining new metadata elements, associating them with product structures and product data, and defining queries and reports.	From: ... to add new ACMS functionality To: ... to add new functionality Explanation:	ACMS shall provide the system administrator with the capability to add ACMS functionality such as defining new metadata elements, associating them with product structures and product data, and defining queries and reports.	Accept.	G Booker/C Crawford	AMCOM
3.1.1.7.4.5	Create Displays	ACMS shall allow the system administrator to create editable displays for ACMS users. Examples include ECP evaluation, data check-in, and data release displays.	(PART 1)...From: .. Title ....Create Editable Displays To: . Title ...Create Displays Explanation: (PART 2)...From: ...create editable displays for ... To: ... create displays for ... .Explanation:	ACMS shall allow the system administrator to create displays for ACMS users. Examples include data check-in, data release, and engineering change action displays.	Accept with comment. Not sure "display" alone conveys that the user may input and edit information. Is the revised requirement what the Army wants here. Refer to G-32 for additional details. Note: We changed "ECP" to "engineering change action" and moved it to the end of the list of examples per AMSAA comments on 3.1.2.5.5 and others.	G Booker/C Crawford	AMCOM
3.1.1.7.5.2	Provide Virus Checking	ACMS shall provide controls to protect the system and data from contamination by unauthorized computer programs or data such as viruses.	From: ... ACMS shall provide controls to protect the system... To: ... ACMS shall provide controls (embedded or through an integration) to protect the system... Explanation: This functionality is usually not provided directly by PDM COTS systems.		Recommend Rejecting change, but Task Force should note the comment.	Alan Mendel	CIMData
3.1.1.7.5.3	Apply File Name Encryption	ACMS shall encrypt the names of file with restricted access to preclude accessing these files directly through the operating system without using the ACMS interface.	From: ... of file with restricted.... To: ... of files with restricted .... Explanation:	ACMS shall encrypt the names of files with restricted access to preclude accessing these files directly through the operating system without using the ACMS interface.	Accept.	G Booker/C Crawford	AMCOM
3.1.1.7.6.2	Provide Rule-Based Performance Controls	ACMS shall provide mechanisms for resolving system performance degradation. Vendors are expected to propose mechanisms.	(PART 1)...From: . Title... Resolve Performance Degradation To: ...Title ...Provide Rule-Based Performance Controls Explanation: (PART 2)...From: ACMS shall provide mechanisms for resolving system performance degradation. Vendors are expected to propose mechanisms. To: ACMS shall provide a method for the system administrator to configure system usage rules in	ACMS shall provide a method for the system administrator to configure system usage rules in order to maximize system performance.	Accept.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			order to maximize system performance. Explanation:				
3.1.2.2	Configuration Planning Requirements	Configuration Planning Requirements	From: ... To: ... Explanation: These configuration requirements are mostly describing metadata that will need to be defined through user definable objects, attributes (fields) and associated documentation. This functionality will most probably not be available COTS, but can typically be generated within the PDM system without too much customization. The exact implementation of these requirements is not clearly stated but that is perhaps done so intentionally.		CIMdata has indicated that tailoring or configuring the system probably will be necessary, but may or may not be a big job. Will depend on the vendor and what strategies they have for handling CM metadata. Some PDM vendors are working with CM vendors to develop CM heavy versions of their PDM systems, but they aren't really there yet. The level of difficulty may depend on what specific CM metadata will be required over and above the product's existing data and how the additional data is added to the system. For example, changing the existing data model to accommodate the additional CM data will require significant effort and expense. Basically, CIMdata is saying the Army won't get all the required CM capability off-the-shelf.	Alan Mendel	CIMData
3.1.2.2.3	Record CM Activity Management Data	For each CM activity (see Appendix D), ACMS shall record CM activity data which may include the following: participants, reviewers, responsible activity name, location, Point of Contact, decision authority, phone numbers, action items, milestones, and related dates (e.g., decision date, audit date, and review suspense dates).	From: ... For each CM activity (see Appendix D), ACMS shall record CM activity data ... To: ... For each CM activity (see Appendix D), ACMS shall provide the capability to record, retrieve, reuse, and display CM activity data ... Explanation: During the Tech Loop VTC, BDM was tasked to ensure that the notion of workflow and data associated with a workflow could be reused (refer to T0003). This change clarifies the requirement for reuse of data associated with a workflow (e.g., a CM	For each CM activity (see Appendix D), ACMS shall provide workflow capabilities to record, retrieve, reuse, and display CM activity data which may include the following: participants, reviewers, responsible activity name, location, Point of Contact, decision authority, phone numbers, action items, milestones, and related dates (for example, decision date, audit date, and review suspense dates).	Accept and combine both comments. Replaced e.g., per earlier comment.	Jim Cox	BDM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			activity). See changes to 3.1.1.2.1.6 for another case of reusing workflow data and 3.1.1.2.1.1 for workflow reuse. (Action # 88)				
3.1.2.2.3	Record CM Activity Management Data		From: ... ACMS shall record... To: ... ACMS shall provide workflow capabilities to record .... Explanation: To clarify that this functional intent is to provide workflow within the CM portions.			G Booker/C Crawford	AMCOM
3.1.2.3	Configuration Identification Requirements	Configuration Identification Requirements	From: ... To: ... Explanation: These configuration requirements are mostly describing metadata that will need to be defined through user definable objects, attributes (fields) and associated documentation. This functionality will most probably not be available COTS, but can typically be generated within the PDM system without too much customization. The exact implementation of these requirements is not clearly stated but that is perhaps done so intentionally.		Refer to 3.1.2.2.	Alan Mendel	CIMData
3.1.2.3.1	Establish Configuration Items and Their Identifiers	ACMS shall provide the capability to assign, record, and display CI identifiers at each level within the product structure.	From: ... identifiers at each level within.... To: ... identifiers at all levels within... Explanation:	ACMS shall provide the capability to assign, record, and display CI identifiers at all levels within the product structure.	Accept.	G Booker/C Crawford	AMCOM
3.1.2.3.4	Create Relationships	ACMS shall provide the capability to create relationships between and record metadata about the relationship for items such as CIs, product structure elements and documents to include change and audit actions. For example, CI to CI and CI to part.	From: ... record metadata about the relationship for items such as ... To: ... record metadata about the relationship between items such as ... Explanation: Clarify -- this requirement includes requirement 3.1.2.4.2 (C0021) for relationships between audit actions & related PSE/documents. 3.1.2.4.2 (C0021) is recommended for deletion. (action #67)	ACMS shall provide the capability to create relationships between and record metadata about the relationship between items such as CIs, product structure elements and documents to include change and audit actions. Examples include CI to CI and CI to part.	Accept. Replaced "for" with "between." Fixed the sentence fragment at the end.	Margot Delapp	BDM
3.1.2.3.6	Support Obsolescence Review	ACMS shall provide the capability to assign, record and display metadata about obsolete parts and their replacements, and to establish a relationship between the obsolete parts, their replacements, and configuration management data.	From: NEW REQUIREMENT To: Support Obsolescence Review. ACMS shall provide the capability to assign, record and display metadata about obsolete parts and their replacements, and to establish a relationship between the obsolete parts, their replacements, and configuration management data.	ACMS shall provide the capability to assign, record and display metadata about obsolete parts and their replacements, and to establish a relationship between the obsolete parts, their replacements, and configuration management data.	Accept.	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			Explanation: New requirement added to Configuration Identification section as a result of Tech Loop requirements development (New CM).				
3.1.2.4	Configuration Audit Requirements	Configuration Audit Requirements	From: ... To: ... Explanation: These configuration requirements are mostly describing metadata that will need to be defined through user definable objects, attributes (fields) and associated documentation. This functionality will most probably not be available COTS, but can typically be generated within the PDM system without too much customization. The exact implementation of these requirements is not clearly stated but that is perhaps done so intentionally.		Refer to 3.1.2.2.	Alan Mendel	CIMData
3.1.2.4.2	Create Relationships	ACMS shall provide the capability to create relationships between audit actions and its related product structure element or document.	From: ... actions and its related To: ... actions and their related Explanation:	Delete.	Accept BDM comment. Duplicate requirement. If Task Force decides to keep, need to incorporate AMCOM's grammatical comment.	G Booker/C Crawford	AMCOM
3.1.2.4.2	Create Relationships		From: ...To: ... DELETE Explanation: Requirement for relationships between audit actions & related PSE/documents is included in language of 3.1.2.3.4 (C0015). (action #67)			Margot Delapp	BDM
3.1.2.5	Configuration Control Requirements	Configuration Control Requirements	From: ... To: ... Explanation: These configuration requirements are mostly describing metadata that will need to be defined through user definable objects, attributes (fields) and associated documentation. This functionality will most probably not be available COTS, but can typically be generated within the PDM system without too much customization. The exact implementation of these requirements is not clearly stated but that is perhaps done so intentionally.		Refer to 3.1.2.2.	Alan Mendel	CIMData
3.1.2.5.1	Store Baselines	ACMS shall provide the capability to store, retrieve, and display configuration baselines (functional	From: ... capability to store, ... To: ... capability to create, store, ... Explanation:	ACMS shall provide the capability to create, store, retrieve, and display configuration baselines (functional	Accept.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		baseline, allocated baseline, product baseline, technical baselines, and incremental baselines).		baseline, allocated baseline, product baseline, technical baselines, and incremental baselines).			
3.1.2.5.2	Perform Baseline Compare	ACMS shall provide the capability to compare multiple views (e.g., CIs, parts, and documents) of baselined documents and identify differences both on-line and in reports.	From: ... e.g., CIs , parts, and documents To: ... e.g., CIs, product structure elements, and documents Explanation:	ACMS shall provide the capability to compare multiple views (for example, CIs, product structure elements, and documents) of baselined documents and identify differences both on-line and in reports.	Accept AMCOM comment. Also, changed e.g., to for example per earlier comment.	G Booker/C Crawford	AMCOM
3.1.2.5.3	Record and Review Engineering Change Actions	ACMS shall provide the capability to identify, record, retrieve, and display the disposition of proposed change actions, amended or revised proposed change actions, and variances to the configuration documentation and hardware or software configuration.	From: ACMS shall provide the capability to identify, record, retrieve, and display the disposition of proposed change actions, amended or revised change actions, and variances to the configuration documentation and hardware or software configuration. To: ACMS shall provide the capability to create, assign, record, retrieve, and display the metadata and unique identifiers of proposed change actions, amended or revised proposed change actions, disposition, and variances to the configuration documentation and hardware or software. Explanation: TACOM to provide words about order of implementation.	ACMS shall provide the capability to (1) create, assign, record, retrieve, and display the metadata and unique identifiers of proposed engineering change actions, (2) create, assign, record, retrieve, and display the metadata and unique identifiers of amended or revised proposed engineering change actions, (3) record, retrieve, and display the disposition of proposed engineering change actions, and (4) retrieve and display variances to the configuration documentation and hardware or software.	Accept AMCOM comment with modifications to clarify (?????????). The relationship between the verbs and objects needs to be reviewed to determine if the proposed change is what is meant. Also modified the title to "... Engineering Change Action."	G Booker/C Crawford	AMCOM
3.1.2.5.5	Provide CCB Information	ACMS shall record, retrieve, and display Configuration Control Board (CCB) information such as membership; members of interfacing activities; all change proposals, their originators, their disposition and the date of disposition; CCB Directives; and descriptions of any action items.	From: ...all change proposals To: ... all engineering change actions Explanation: Change proposals are not defined. Engineering change actions can be defined. Need consistent use of terms. Define change proposal or use engineering change action.	ACMS shall record, retrieve, and display Configuration Control Board (CCB) information such as membership; members of interfacing activities; all engineering change actions, their originators, their disposition and the date of disposition; CCB Directives; and descriptions of any action items.	Accept.	Gordon Ney	AMSAA
3.1.2.6	Status Accounting Requirements	Status Accounting Requirements	From: ... To: ... Explanation: These configuration requirements are mostly describing metadata that will need to be defined through user definable objects, attributes (fields) and associated documentation. This functionality will most probably not be available COTS, but can typically be generated within the PDM system without too much		Refer to 3.1.2.2.	Alan Mendel	CIMData

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			customization. The exact implementation of these requirements is not clearly stated but that is perhaps done so intentionally.				
3.1.2.6.1	Record Field Configuration	ACMS shall provide the capability to record, retrieve, and display "as built" and "as modified" configurations resulting from the installation and removal of assemblies, components, parts, and material whether, serialized or track by lot or batch.	From: ... whether, serialized or track by lot... To: ... whether serialized or tracked by lot.... Explanation: Grammatical	ACMS shall provide the capability to record, retrieve, and display "as built" and "as modified" configurations resulting from the installation and removal of assemblies, components, parts, and material whether serialized or tracked by lot or batch.	Accept.	G Booker/C Crawford	AMCOM
3.1.2.6.1	Record Field Configuration		From: ...serialized or track by lot or batch. To: ... serialized or tracked by lot or batch Explanation: Editorial clarification			Gordon Ney	AMSAA
3.1.3. 1	Record Tech Loop Activity	ACMS shall provide the capability to record tech loop activities including technical reviewers and electronic authorizations, responsible activity, milestones, action items, and related dates, allowing for multiple parallel processing.	From: ... capability to record tech loop activities including ... To: ... capability to record information about tech loop activities including... Explanation: Added the words "information about" to clarify what is being recorded. (T0001)	ACMS shall provide the capability to record information about tech loop activities including technical reviewers and electronic authorizations, responsible activity, milestones, action items, and related dates, allowing for multiple parallel processing.	Accept.	Jim Cox	BDM
3.1.3. 2	Establish TL Identifiers	ACMS shall provide the capability to assign, record, and display metadata and unique identifiers for each action routed through the tech loop review (e.g. PRON, top part number, type of procurement, weapon system, first article requirements, serialization requirements, comments, procurement source information, documentation availability/status as it relates to procurement actions, and the AMC/AMSC code, as well as other required attributes from Procurement Work Directive (PWD)).	From: ... (e.g. PRON, ... AMC/AMSC code ... To: ... (e.g. Procurement Request Order Number (PRON), ... Army Materiel Command/Acquisition Management Systems Control (AMC/AMSC) code ... Explanation: Define acronyms. (T0002)	ACMS shall provide the capability to assign, record, and display metadata and unique identifiers for each action routed through the tech loop review (for example, Procurement Request Order Number (PRON), top part number, type of procurement, weapon system, first article requirements, serialization requirements, comments, procurement source information, documentation availability/status as it relates to procurement actions, and the Army Materiel Command/Acquisition Management Systems Control (AMC/AMSC) code, as well as other required attributes from Procurement Work Directive (PWD)).	Accept. Replaced "e.g., " with "for example."	Jim Cox	BDM
3.1.3. 3	Record	ACMS shall provide the capability to	From: ... ACMS shall provide the capability to	ACMS shall provide the capability to	Accept.	Jim Cox	BDM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
	Procurement History Data	record, retrieve, reuse, and display the current and all previous tech loop actions.	record, retrieve, reuse, and display the current and all previous tech loop actions. To: ... ACMS shall provide the capability to record, retrieve, reuse, and display the workflows and associated data corresponding to the current and all previous tech loop actions. Explanation: Clarifying what is being recorded, retrieved, reused, and displayed. (T0003)	record, retrieve, reuse, and display the workflows and associated data corresponding to the current and all previous tech loop actions.			
3.1.3. 4	Establish Relationships	ACMS shall provide the capability to establish relationships and identify metadata about those relationships between tech loop actions and configuration management data.	From: ... ACMS shall provide the capability to establish relationships and identify metadata about those relationships between tech loop actions and configuration management data. To: ... For requirements pertaining to the relating of configuration management data to tech loop workflows, see requirement 3.1.1.2.1.6, Associate Product Data. Explanation: In these requirements, I interpret "tech loop actions" as being tech loop workflow triggers. Given this interpretation, this requirement simply wants to be able to "attach" configuration management documents to workflow tasks. Requirement 3.1.1.2.1.6 (with its proposed revision) covers this need. The following provides the proposed wording for 3.1.1.2.1.6. "ACMS shall provide the capability to associate product data with a workflow, save the association, retrieve the workflow and associated product data, and reuse the workflow and associated product data as a new instance of the workflow." (T0004)	For requirements pertaining to the relating of configuration management data to tech loop workflows, see requirement 3.1.1.2.1.6, Associate Product Data.	Accept BDM comment to reference existing requirement.	Jim Cox	BDM
3.1.3. 6	Compare Baselines	ACMS shall provide the capability to compare baselines established as part of a tech loop review and identify differences (see Configuration Control Requirements “Store Baselines” and “Perform Baseline Compare”).	From: ... ACMS shall provide the capability to compare baselines established as part of a tech loop review and identify differences (see Configuration Control Requirements "Store Baselines" and "Perform Baseline Compare"). To: ... For requirements pertaining to the capability to compare baselines established as part of a tech loop review and to identify differences, see requirements 3.1.2.5.1, Store	For requirements pertaining to the capability to compare baselines established as part of a tech loop review and to identify differences, see requirements 3.1.2.5.1, Store Baselines, and 3.1.2.5.2, Perform Baseline Compare.	Accept BDM comment to reference existing requirements.	Jim Cox	BDM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			Baselines, and 3.1.2.5.2, Perform Baseline Compare. Explanation: Recommend referencing requirements where possible rather than duplicating them. (T0007)				
3.1.3. 7	Support DFARS Appendix E Screening	ACMS shall provide an automated DFARS Appendix E screening questionnaire to be used during the tech loop review.	From: ... To: ... Explanation: Question: What is different about this requirement from 3.2.1.13? Are we asking ACMS to provide the CCSS for DFARS Appendix E capability? For reference, the following is requirement 3.2.1.13. "Interface with CCSS for DFARS Appendix E. ACMS shall be capable of batch loading data from CCSS for DFARS Appendix E Screening Questionnaire." (T0008)		Unresolved.	Jim Cox	BDM
3.1.3. 9	Establish Hazmat Relationships	ACMS shall provide the capability to establish relationships between hazardous material data and configuration management data.	From: ... To: ... For requirements pertaining to the capability to relate hazardous material data and configuration management data, see requirement 3.1.1.1.4.8, Relate Product Data. Explanation: Recommend referencing requirements where possible rather than duplicating them. (TR0010)	For requirements pertaining to the capability to relate hazardous material data and configuration management data, see requirement 3.1.1.1.4.8, Relate Product Data.	Accept BDM comment to reference existing requirement.	Jim Cox	BDM
3.1.3.10	Attach Documents to Actions	ACMS shall provide the ability to attach documents to tech loop actions.	From: ... ACMS shall provide the ability to attach documents to tech loop actions. To: ... For requirements pertaining to the capability to attach documents to tech loop actions, see requirement 3.1.1.2.1.6, Associate Product Data (with a workflow). Explanation: Recommend referencing requirements where possible rather than duplicating them. Note: This comment presumes that a tech loop action is intended to be a specific type of workflow. If this is wrong, then the comment must be withdrawn or revised. (New VENUS 1)	For requirements pertaining to the capability to attach documents to tech loop actions, see requirement 3.1.1.2.1.6, Associate Product Data (with a workflow).	Accept BDM comment to reference existing requirement.	Jim Cox	BDM
3.2	Interface Requirements	This section presents the following types of interface requirements: a. External interface requirements specify external items with which ACMS must interact. b. Internal interface requirements define the	From: ... external items with ... To: ... external systems with ... Explanation:	This section presents the following types of interface requirements: a. External interface requirements specify external systems with which ACMS must interact. b. Internal interface requirements define the interconnection of functions of	Accept. Replace "items" with "systems."	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		interconnection of functions of functional areas within the sytem. c. User interface requirements specify or constrain content, formats, timing, and other factors associated with the interaction between ACMS and the user.		functional areas within the sytem. c. User interface requirements specify or constrain content, formats, timing, and other factors associated with the interaction between ACMS and the user.			
3.2.1. 2	Send E-Mail	ACMS shall provide the capability to send system (including automatic generation of event triggered messages) and user electronic messages to multiple recipients who are either internal or external to the system using SMTP for the external interfaces.	From: ...To: Move to 3.2.2 Explanation: See Para 3.2.2 comments.	ACMS shall provide the capability to send system (including automatic generation of event triggered messages) and user electronic messages to multiple recipients who may or may not be ACMS users, using Simple Mail Transport Protocol (SMTP) for the interfaces to the systems of non-ACMS users. This capability may be implemented as an inherent feature of the system or as a launched application depending on system design.	Accept AMCOM comment to 3.2.2 with modification, but please don't move this requirment. This is fundamentally an external interface requirement.	G Booker/C Crawford	AMCOM
3.2.1. 3	Provide Generic API	ACMS shall provide a generic API that allows external applications to invoke selected ACMS functions to include retrieving product data. Examples of external applications that might invoke ACMS functions include: AutoCAD, CADDS 5, CADAM, CATIA, UG, HPME30, Pro/Engineer, I-DEAS, CADENCE, Interleaf, MS Word, WordPerfect, Microstation, Excel, OrCad, CAM 350, Anvil, Mentor, EMS, MS Project, and MS Power Point. (This requirement should be tailored by the implementing command at the time of acquisition.)	From: ...To: Remove (this requirement should be tailored by the implementing command at the time of acquisition). Explanation: This information belongs in Section 6.	ACMS shall provide a generic Application Program Interface (API) that allows external applications to invoke selected ACMS functions to include retrieving product data. Examples of external applications that might invoke ACMS functions include: AutoCAD, CADDS 5, CADAM, CATIA, UG, HPME30, Pro/Engineer, I-DEAS, CADENCE, Interleaf, MS Word, WordPerfect, Microstation, MS Excel, OrCad, CAM 350, Anvil, Mentor, EMS, MS Project, and MS Power Point. (This requirement should be tailored by the implementing command at the time of acquisition.)	Recommend partial acceptance of AMCOM comment. Suggest we leave the parenthetical remark, so readers are not confused by the variety of applications listed. Also suggest we add a table in Section 6 to identify all those requirements that have been specifically identified as needing to be tailored. Recommend accepting AMSAA comments.	G Booker/C Crawford	AMCOM
3.2.1. 3	Provide Generic API		(PART 1) From: ...generic API To: ...generic Application Program Interface (API) Explanation: First occurrence of acronym (PART 2) From: ...Excel To: ... MS			Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			Excel Explanation: Consistent label of MS products, you might consider grouping all MS products together				
3.2.1. 4	Interface with External Systems	ACMS shall provide the capability to exchange product data with JEDMICS and other repositories, PDM systems, configuration management systems, and CITIS systems to include the following: TBD.	From: ... to exchange product data with ... To: ... to exchange product data, including metadata, with ... Explanation: This change emphasizes that metadata is part of product data and ensures that the requirement formerly provided by 3.2.1.6 is retained and unambiguous. (action #77)	Delete	Accept AMCOM comment with question. Are we saying that requirements 3.2.1.7 through 3.2.1.20 replaces this requirement?	Sandy Santa Cruz	BDM
3.2.1. 4	Interface with External Systems		From: ...To: Remove this requirement. Explanation: Per agreement at STRICOM meeting.			G Booker/C Crawford	AMCOM
3.2.1. 5	Launch Applications	ACMS shall provide the capability to incorporate triggers that result in launching user applications based on events, user actions, or times. Applications that might launched from ACMS include the following: AutoCAD, CADDS 5, CADAM, CATIA, UG, HPME30, Pro/Engineer, I-DEAS, CADENCE, Interleaf, MS Word, WordPerfect, Microstation, Excel, OrCad, CAM 350, Anvil, Mentor, EMS, MS Project, and MS Power Point. (This requirement should be tailored by the implementing command at the time of acquisition.)	(PART 1) From: ... To: ... Add Adobe Acrobat and Acrobat reader Explanation: Used at all sites (List of Launch Applications) (PART 2) From: ...Excel To: ... MS Excel Explanation: Consistent label of MS products, you might consider grouping all MS products together	ACMS shall provide the capability to incorporate triggers that result in launching user applications based on events, user actions, or times. Applications that might be launched from ACMS include the following: Adobe Acrobat and Acrobat reader, AutoCAD, CADDS 5, CADAM, CATIA, UG, HPME30, Pro/Engineer, I-DEAS, CADENCE, Interleaf, MS Word, WordPerfect, Microstation, MS Excel, OrCad, CAM 350, Anvil, Mentor, EMS, MS Project, and MS Power Point. (This requirement should be tailored by the implementing command at the time of acquisition.)	Recommend partial acceptance of AMCOM comment. Suggest we leave the parenthetical remark, so readers are not confused by the variety of applications listed. Also suggest we add a table in Section 6 to identify all those requirements that have been specifically identified as needing to be tailored. Accept AMSSA and BDM comments.	Gordon Ney	AMSAA
3.2.1. 5	Launch Applications		From: ... Applications that might launched from ... To: ... Applications that might be launched from ... Explanation: add the word "be"			Sandy Santa Cruz	BDM
3.2.1. 5	Launch Applications		From: To: Remove (this requirement should be tailored by the implementing command at the time of acquisition). Explanation: This information belongs in Section 6.			G Booker/C Crawford	AMCOM
3.2.1. 6	Share	ACMS shall provide the capability to	From: ...To: ... DELETE Explanation:		Accept BDM comment. We	Sandy Santa	BDM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
	Metadata	share ACMS controlled metadata with other systems.	This requirement is a duplicate with P6.1.5. Metadata is included in the definition of product data. P6.1.5 is more detailed regarding the other systems. (action #77)		felt the functional intent of 3.2.1.6 was covered by 3.2.1.4. If 3.2.1.4 is fully covered by 3.2.1.7 through 3.2.1.20, then this broad requirement is not needed.	Cruz	
3.2.1. 6	Share Metadata		From: ...To: This paragraph has moved within the functional requirements structure from system administrator capabilities to interfaces what is its functional intent? Explanation:			G Booker/C Crawford	AMCOM
3.2.1. 7	Interface with Oracle-Based Repositories	ACMS shall be capable of interfacing with repositories running Oracle.	From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.		Note CIMdata comment. Also note the following comment from Paul Behrens: "Change to External interface to Relational Databases. Ability to establish secure ODBC and/or JDBC connections to external vaults."	Alan Mendel	CIMData
3.2.1. 8	Interface with MEARS	ACMS shall be capable of dynamic interface with MEARS to exchange engineering change actions and associated metadata.	From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.	ACMS shall be capable of dynamic interface (see Appendix D) with MEARS to exchange engineering change actions and associated metadata.	Accept AMSAA PART 1 comment. Retain "engineering change actions" in response to AMSAA's PART 2 comment. Note CIMdata comment.	Alan Mendel	CIMData
3.2.1. 8	Interface with MEARS		(PART 1) From: ...dynamic interface To: ... dynamic interface (see Appendix D) Explanation: Highlight that the definition is in appendix D for clarification (PART 2)			Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			From: ...engineering change actions To: ... “"change actions" or keep as "engineering change actions" Explanation: The definitions of engineering change display, and change action in the glossary are not used consistently within the body of the document. The term engineering change action is used extensively and never defined. Suggest that you define the term or use the definitions similar to the terms below. Suggest that we use the terms consistently. One approach would be to use the following definitions and apply consistently through out the document. It would be nice to use definitions with an existing source, like 2549, 61 or 649. ECP and Engineering Change are defined in MIL-STD-2549. Memory fades, I thought that we were going to use the term engineering change action as a defined term to address what you have under change action. Is there a difference between an engineering change action and a change action? If you can come up with a better approach then use it, just be consistent in the application of the approach. Engineering Change action Modification of a product, the data and metadata related to the product. Engineering Change action examples include engineering change proposals, and deviations. Note: deletion of waivers. Engineering Change Action Display A predefined electronic display that represents a form and is created in ACMS to facilitate description and review of an engineering change action. Engineering Change Proposal (ECP) The documentation by which a proposed engineering change is described, justified, and submitted to the current document change authority for approval or disapproval. Engineering Change A change to the current approve configuration documentation of a configured item. This is a specific occurrence				

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			of engineering change action . Suggest a global search for this term 58 other occurrences include: 3.2.1.9, 3.2.1.10, A.2.5, B.1.1.3, B.1.2 (5 times), B.!.3 (4 times), B.1.4 (5 times), B.1.5 (2 times), B.2.1.1, B.2.1.2.1, B.2.1.2.7 (5 times), B.2.2.2.1, C.3 ((5 times), C.3.1 (4 times), C.3.2 (3 times), C.3.3 (10 times), C.3.4 (5 times), C.3.5 (3 times)				
3.2.1. 9	Interface with ECALS	ACMS shall be capable of dynamic interface with ECALS to exchange engineering change actions and associated metadata.	From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.		Note CIMdata comment.	Alan Mendel	CIMData
3.2.1.10	Interface with CARS	ACMS shall be capable of dynamic interface with CARS to exchange engineering change actions and associated metadata.	From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.		Note CIMdata comment.	Alan Mendel	CIMData
3.2.1.11	Interface with PC-JEDMICS	ACMS shall be capable of dynamic interface with PC-JEDMICS.	From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with		Note CIMdata comment.	Alan Mendel	CIMData

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.				
3.2.1.12	Interface with CCSS 404	ACMS shall be capable of batch loading data from the CCSS 404 application.	From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.		Note CIMdata comment.	Alan Mendel	CIMData
3.2.1.13	Interface with CCSS for DFARS Appendix E	ACMS shall be capable of batch loading data from CCSS for DFARS Appendix E Screening Questionnaire.	From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.		Note CIMdata comment.	Alan Mendel	CIMData
3.2.1.14	Interface with CCSS for Sector 2800	ACMS shall be capable of batch loading data to/from CCSS for Sector 2800.	From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations		Note CIMdata comment.	Alan Mendel	CIMData

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			were standardized across the Army commands rather than each one defining their own.				
3.2.1.15	Interface with CCSS for Competition Management	ACMS shall be capable of batch loading data from CCSS for Competition Management.	From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.		Note CIMdata comment.	Alan Mendel	CIMData
3.2.1.16	Interface with Flight Safety	ACMS shall be capable of batch loading data from Flight Safety.	From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.		Recommend Rejecting AMSAA comment pending review by AMCOM. Note CIMdata comment.	Alan Mendel	CIMData
3.2.1.16	Interface with Flight Safety		From: ...Flight Safety. To: ... various Flight Safety sources. Explanation: I do not know the intent here. We may want to list some, most, or all (?) of the Flight Safety sources. You might check with AMCOM or Jim Rickenbaugh			Gordon Ney	AMSAA
3.2.1.17	Interface with Information Handling Services (IHS)	ACMS shall be capable of batch loading metadata from Information Handling Services (IHS).	From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with		Note CIMdata comment.	Alan Mendel	CIMData

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.				
3.2.1.18	Interface with JCALS Workflow Manager	ACMS shall be capable of a dynamic interface with JCALS Workflow Manager.	From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.		Note CIMdata comment.	Alan Mendel	CIMData
3.2.1.19	Interface with JEDMICS	ACMS shall be capable of dynamic interface with JEDMICS.	From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.		Note CIMdata comment.	Alan Mendel	CIMData
3.2.1.20	Interface with Field and Depot Maintenanc e Systems	ACMS shall be capable of interfacing/batch loading field and depot maintenance data systems/data. An example is the Aviation Maintenance Data Management System.	From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations		Note CIMdata comment.	Alan Mendel	CIMData

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			were standardized across the Army commands rather than each one defining their own.				
3.2.1.21	Update PASS	ACMS shall provide the ability to update the Procurement Aging and Staging system (PASS) at pre-determined processing points.	From: NEW REQUIREMENT To: Update PASS. ACMS shall provide the ability to update the Procurement Aging and Staging System (PASS) at pre-determined processing points. Explanation: New requirement added to Interface section as a result of Tech Loop requirements development (New ARDEC 2).	ACMS shall provide the ability to update the Procurement Aging and Staging system (PASS) at pre-determined processing points.	Accept.	Gordon Ney	AMSAA
3.2.1.22	Interface with TACOM/ARDEC EDMC Viewer	ACMS shall be capable of dynamic interface with the TACOM/ARDEC EDMC Viewer.	From: ...NEW REQUIREMENT To: ... Interface with the TACOM/ARDEC EDMD Viewer. ACMS shall be capable of dynamic interface with the TACOM/ARDEC EDMD Viewer. Explanation: As per VTC 2/6, please add this interface to interface requirements.	ACMS shall be capable of dynamic interface with the TACOM/ARDEC EDMC Viewer.	Accept. Need definition for the acronym of this and other systems in this section.	Sandy Medor	TACOM (ARDEC)
3.2.2	Internal Interface Requirements	No internal interface requirements have been specified for the ACMS. All internal interfaces are left to the design or to requirement specifications for ACMS components.	From: Remove current words. To: ACMS shall provide the capability to send system (including automatic generation of event triggered messages) and user electronic messages to multiple recipients who are either internal or external to the system using SMTP for the external interfaces. This requirement may be either internal to the system or external and launched from within the system depending upon the design requirements of the system. Explanation:		Partially accept AMCOM comment. See 3.2.1.2 where the changes are incorporated with modifications.	G Booker/C Crawford	AMCOM
3.2.3.1	Provide On-Line Help	The ACMS user interface shall provide context sensitive, on-line help to users	From: ... context-sensitive, on-line help To: ... context-sensitive, indexed, searchable help Explanation:	The ACMS user interface shall provide context-sensitive, indexed, and searchable on-line help to users.	Accept AMCOM comment with modifications to incorporate 3.2.3.2 which is then to be deleted.	G Booker/C Crawford	AMCOM
3.2.3.2	Provide Help Search	The ACMS user interface shall provide interactive help to users, via searching on key words.	From: ... via searching on key words. To: ... via indexing and searching on key words. Explanation: Incorporates the notion of help index taken from 3.2.3.4 which is recommended for deletion. (action #79)	Delete	Delete given proposed changes to 3.2.3.1.	Sandy Santa Cruz	BDM
3.2.3.3	Provide On-Line	The ACMS user interface shall provide users the ability to view	From: ...users the ability to view system documentation To: ... users the ability to	The ACMS user interface shall provide users the ability to view ACMS	Accept combined AMSAA and BDM comments.	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
	Documentation	system documentation on-line.	view ACMS documentation Explanation: Editorial Clarification	documentation on-line, such as, user and administrator manuals.			
3.2.3.3	Provide On-Line Documentation		From: ... view system documentation on-line. To: ... view system documentation on-line, such as, user and administrator manuals. Explanation: add "user and administrator manuals" to the end of the requirement. (action #79)			Sandy Santa Cruz	BDM
3.2.3.4	Provide Context-Sensitive, Indexed, and Searchable Help	ACMS shall include automated HELP mechanisms that are context-sensitive, indexed, and searchable.	From: ... To: ... Remove the requirement. Explanation: Same as Para 3.2.3.1.	Delete	Delete given proposed changes to 3.2.3.1 and AMCOM and BDM comments.	G Booker/C Crawford	AMCOM
3.2.3.4	Provide Context-Sensitive, Indexed, and Searchable Help		From: ... To: ... DELETE Explanation: This requirement is a duplicate of P10.1 and P10.2 particularly after 3.2.3.2 is modified as proposed. (action #79)			Sandy Santa Cruz	BDM
3.2.3.5	Include Help Table of Contents, Examples, and Demos	ACMS HELP shall include a Table of Contents, Examples, Demonstrations, and on-line user and administrator manuals.	From: ... ACMS HELP shall include a Table of Contents, Examples, Demonstrations, and on-line user and administrator manuals. .... To: ... ACMS shall provide on-line help that includes a Table of Contents, Examples, and Demonstrations. Explanation: End requirement with Demonstrations. Add the remainder of the sentence to the end of requirement 3.2.3.3 (P10.3). Changed the lead-in for stylistic consistency. (action #79)	ACMS shall provide on-line help that includes a Table of Contents, Examples, and Demonstrations.	Accept. Eliminating overlap.	Sandy Santa Cruz	BDM
3.2.3.7	Provide Web-Browser Interface	ACMS shall provide a web-browser user interface with full functionality.	From: ... ACMS shall provide a web-browser user interface with full functionality. To: ... ACMS shall provide a web-browser user interface. It is desired that over time full functionality is available through the web. Explanation: Full functionality is not widely provided as of yet. Yet all vendors are currently		Note CIMdata comment. Should this be designated as a long-term requirement in Section 6?	Alan Mendel	CIMData

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			working on delivering full functionality through the web.				
3.3.1	Support User with Basic PC and ACMS Skills	ACMS will be operated by users who have basic PC skills, including familiarity with their target operating systems such as Windows or UNIX, and have attended ACMS training. Users will be expected to have skills consistent with the role to which they are assigned. For example, a Configuration Management Specialist will be knowledgeable in Configuration Management theory.	From: ...To: Move this information to Section 6. Explanation:	Delete	Accept with recommendation to move to 1.2.4 instead of section 6. See example in 98feb23/perfspec.doc, paragraph 1.2.4, last paragraph.	G Booker/C Crawford	AMCOM
3.3.2	Support Competent Administrators	ACMS will be administered by users who have competency in their target operating systems, database administration, and performance tuning.	From: ...To: Move this information to Section 6. Explanation	Delete	Accept with recommendation to move to 1.2.4 instead of section 6. See example in 98feb23/perfspec.doc, paragraph 1.2.4, last paragraph.	G Booker/C Crawford	AMCOM
3.3.3	Require Minimal Basic Training	Training of a basic ACMS user shall require no more than three work days. The basic user will be able to sign on to the system, navigate product structures, locate and retrieve data, and execute tasks received from a workflow.	From: ... three work days. The basic user will be able... To: ... three work days. After training, the basic user should be able ... Explanation:	Training of a basic ACMS user shall require no more than three work days. After training, the basic user should be able to sign on to the system, navigate product structures, locate and retrieve data, and execute tasks received from a workflow.	Accept.	G Booker/C Crawford	AMCOM
3.3.6	Require Minimal Restoration Time	ACMS restorations from backups shall take no longer than TBD hours given a database of TBD records.	From: ... longer than TBD hours given a database of TBD records. To: ... longer than 40 hours given a database of 11million records. Explanation:	ACMS restorations from backups shall take no longer than 40 hours given a database of 11 million records.	Accept.	G Booker/C Crawford	AMCOM
3.3.8-1	Generate Reports		From: ... New Requirement To: ... ACMS shall demonstrate the ability to process and display the following Army reports in the times specified: Report Type Number of Documents/Parts TimeGeneration Breakdown List TBD TBD Procurement Technical Data TBD TBD Package List CM Technical Data Package	ACMS shall demonstrate the ability to process and display the following Army reports in the times specified (Report Type-- Number of Documents/Parts, Time) a. Generation Breakdown List-- TBD, TBD; b. Procurement Technical Data Package List-- TBD, TBD; c. CM Technical Data Package List-- TBD, TBD; d. Engineering Data List-- TBD, TBD; and e. Parts List--	Accept AMCOM's new requirement. Will require proper formating when entered into the document.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			TBD TBD ListEngineering Data List TBD TBDParts List TBD TBD Explanation:	TBD, TBD.			
3.4.1.1	Support Client Workstation : Platform Type	ACMS shall be capable of providing client functionality and performance as described in this specification on the following platforms: IBM compatible PCs running MS Windows 3.x, 95, and NT operating systems; Silicon Graphics workstations running UNIX/IRIX; Sun workstations running Solaris; HP/Apollo workstations running HP-UX; Macintosh; Intergraph workstations running CLIX; and X-Terminals running under IRIX/UNIX/Solaris operating systems.	From: ... To: ... (add to current requirement) This requirement should be tailored by the implementing command at the time of acquisition. Explanation: Requirement is implementation/site specific. (action #87)	ACMS shall be capable of providing client functionality and performance as described in this specification on the following platforms: IBM compatible PCs running MS Windows 3.x, 95, and NT operating systems; Silicon Graphics workstations running UNIX/IRIX; Sun workstations running Solaris; HP/Apollo workstations running HP-UX; Macintosh; Intergraph workstations running CLIX; and X-Terminals running under IRIX/UNIX/Solaris operating systems. (This requirement should be tailored by the implementing command at the time of acquisition.)	Accept BDM comment and also put this requirement in a new section 6 table of specific requirements to be tailored.	Sandy Santa Cruz	BDM
3.4.2.1	Support Network Protocols	ACMS shall be capable of operating in a client-server Ethernet networked environment using TCP/IP, NFS, or IPX/SPX.	From: ... To: ... (add to current requirement) This requirement should be tailored by the implementing command at the time of acquisition. Explanation: Requirement is implementation/site specific. (action #87)	ACMS shall be capable of operating in a client-server Ethernet networked environment using TCP/IP, NFS, or IPX/SPX. (This requirement should be tailored by the implementing command at the time of acquisition.)	Accept BDM comment and also put this requirement in a new section 6 table of specific requirements to be tailored.	Sandy Santa Cruz	BDM
3.4.2.1	Support Network Protocols		From: ... To: ... Explanation: Combination could restrict the COTS available.			Alan Mendel	CIMData
3.4.2.2	Support Network Operating Systems	ACMS shall be capable of operating in a client-server Windows NT, Banyan Vines, or Novell networked environment.	From: ... To: ... (add to current requirement) This requirement should be tailored by the implementing command at the time of acquisition. Explanation: Requirement is implementation/site specific. (action #87)	ACMS shall be capable of operating in a client-server Windows NT, Banyan Vines, or Novell networked environment. (This requirement should be tailored by the implementing command at the time of acquisition.)	Accept BDM comment and also put this requirement in a new section 6 table of specific requirements to be tailored.	Sandy Santa Cruz	BDM
3.4.2.3	Support Maximum Number of Users	ACMS shall be capable of supporting up to 4,000 users total and up to 500 users simultaneously at any one implementation.	From: ... To: ... (add to current requirement) This requirement should be tailored by the implementing command at the time of acquisition. Explanation:	ACMS shall be capable of supporting up to 4,000 users total and up to 500 users simultaneously at any one implementation. (This requirement	Accept BDM comment and also put this requirement in a new section 6 table of specific requirements to be tailored.	Sandy Santa Cruz	BDM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			Requirement is implementation/site specific. (action #87)	should be tailored by the implementing command at the time of acquisition.)			
3.4.3.1	Support Server: Platform Types	ACMS server software shall be capable of operating on the following platforms: Sun workstations running UNIX; Silicon Graphics workstations running UNIX; IBM Compatible Pentium PCs running Windows NT Server; and Hewlett Packard HP9000/800 K Series running HP-UX.	From: ... To: ... (add to current requirement) This requirement should be tailored by the implementing command at the time of acquisition. Explanation: Requirement is implementation/site specific. (action #87)	ACMS server software shall be capable of operating on the following platforms: Sun workstations running UNIX; Silicon Graphics workstations running UNIX; IBM Compatible Pentium PCs running Windows NT Server; and Hewlett Packard HP9000/800 K Series running HP-UX. (This requirement should be tailored by the implementing command at the time of acquisition.)	Accept BDM comment and also put this requirement in a new section 6 table of specific requirements to be tailored.	Sandy Santa Cruz	BDM
3.4.3.1	Support Server: Platform Types		From: ... To: ... Explanation: Combination could restrict the COTS available.			Alan Mendel	CIMData
4.1	Verification	Verification Methods	From: ... Demonstration (D). without recording quantitative data. To: ... Demonstration (D). without recording quantitative data. Actual operation in specific scenarios, that is a full demonstration test. Explanation: Demonstration may also include operational testing, that is users demonstrate the system with real data under real conditions that simulate operational conditions. Test plans are needed to define these scenarios.		Not resolved. Need to discuss comments with AMCOM.	Gordon Ney	AMSAA
4.1	Verification		(PART 1)...From: Each requirement will be verified. Methods used to verify ACMS requirements will include demonstration, inspection, analysis, and test as described below. All data resulting from these verifications will be made available to the Government for review upon request. To: Each requirement shall be verified. Methods used to verify ACMS requirements shall include test, evaluation, and analysis as described below. Explanation: We believe these test methods more accurately reflect the test methods that will be used by the government.			G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			The last sentence is CDRL info. (PART 2)...From: Demonstration, Inspection, Analysis, Test To: Test (T). Verification by test involves confirming that a requirement is met by operating the system, or part of the system, using a specific set of conditions, observing the system's operation and recording the success or failure. Detailed test procedures shall be prepared to test each ACMS requirement. Requirements may be combined into logical groupings to test multiple requirements in a single procedure. The last steps of the procedure may include evaluation of the output (or results) generated as part of the test procedure. This evaluation shall be procedure specific and not a combination of procedures. Evaluation (E). Verification by evaluation involves review of documentation and a value assessment of training. Evaluation via document review includes examination of descriptive documents to ensure what is described is what is required. Descriptive documents can include, but are not limited to, requirements documents, design documents, concept of operation and scenario documents, and graphical, management and analysis outputs from Computer Assisted Software Engineering (CASE) tools. Evaluation of training shall include user feedback and tests of users to determine their level of expertise on the system. Analysis (A). Verification by analysis is accomplished by processing accumulated data obtained during controlled operation of the system during other verification methods. Analysis includes conclusions drawn from quantitative results, modeling based on system design and performance, and the extension of test-produced data to untested conditions. Analysis results shall be compiled into a single comparative report. Explanation:				

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
4.2	Verification	ACMS Verification Requirements (Table 4-1)	From: ... To: Update the requirements based on revisions submitted against Section 3. Explanation:		Not resolved. Need to discuss comments with AMCOM.	G Booker/C Crawford	AMCOM
4.2-1	Verification	Verification Method (column in Table 4-1)	From: ... To: All requirements will be verified using the "Test" method except for the following:3.2.3.1			G Booker/C Crawford	AMCOM
5.1	Packaging	For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When actual packaging of materiel is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military Department or Defense Agency, or within the Military Department's System Command. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity	From: ... To: Is this boilerplate verbage? If not, there are no packaging requirements for this system and this section should be removed. Explanation:		Verbage is required boilerplate from MIL-STD-961D.	G Booker/C Crawford	AMCOM
6.1	Intended Use	Appendix A, ACMS Concept Overview, provides information relative to the nature and roles of the ACMS. Appendix B, ACMS Support of Weapon Systems and Data Life Cycles, and Appendix C, ACMS Support to Selected Business Processes, provide information relative to the use of the ACMS.	Give the intended use of the specification.	Appendix A, ACMS Concept Overview, provides information relative to the nature and roles of the ACMS. Appendix B, ACMS Support of Army Product and Data Life Cycles, and Appendix C, ACMS Support to Selected Business Processes, provide information relative to the use of the ACMS.	Recommend rejecting per MIL-STD-961D, paragraph 5.3.6.3: "Intended use. Information relative to the use of the item covered by the specification shall be included under this heading as 6.1. The difference among types, grades, and classes in the specification shall be explained herein. If there are any particular applications for which the item	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
					or material is not well adapted, this information shall also be included." Replaced "Weapon Systems" with "Army Product" per AMCOM comment on 1.2.5-15.		
6.2.1-2	Acquisition Document Requirements	b. Issue of DoDISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.2 and 2.3).	Delete 2.2 and 2.3 and substitute 2.2.1.	b. Issue of DoDISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.2.1).	Accept.	G Booker/C Crawford	AMCOM
6.2.2	Implementation Strategy	Table 6-1 lists the ACMS requirements considered to be long-term requirements. These requirements may be deferred in the initial local ACMS implementations. However, it is expected that these requirements will be satisfied by the year 2002 in order to meet Army digitization goals.	(PART 1)....From: Long-Term RequirementsTo: Long -Term Implementation Strategy Explanation: (PART 2)....From: Table 6-1 lists the ACMS requirements considered to be long-term requirements. To: Table 6-1 lists ACMS requirements previously cited in this specification that may be considered for long-term implementation. Explanation: (PART 3)....From: Long-Term ACMS Requirements To: Long-Term Implementations Explanation:	Table II lists the ACMS requirements considered to be long-term requirements. These requirements may be deferred in the initial local ACMS implementations. However, it is expected that these requirements will be satisfied by the year 2002 in order to meet Army digitization goals. Table III lists specific ACMS requirements that should be tailored by the implementing command at the time of acquisition.	Accept AMCOM comment with modification in order to satisfy the intent of comment G-28. Also refer to 3.2.1.3. Added Table III and changed Table 6-1 to Table II per an earlier comment. Table II will be titled, Long-Term Implemtations, per AMCOM comment. Table III will be titled, Tailorable Implementations.	G Booker/C Crawford	AMCOM
6.3	Definitions	Appendix D, Glossary, contains an alphabetical listing of the acronyms and terms used in this specification.	From: ... listing of the acronyms and terms.... To: ... listing of the terms.... Explanation:	Appendix D, Glossary, contains an alphabetical listing of the terms used in this specification. Appendix E, Acronyms, lists the acronyms.	Accept AMCOM comment and extend.	G Booker/C Crawford	AMCOM
6.5	Changes From Previous Issue	The margins of this specification are marked with asterisks (or vertical lines) to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.	Delete in its entirety. There is no previous issue of the document.	Delete	Accept.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
A.1	ACMS as a System of Systems	This section describes the Army's long-term vision for ACMS. Near-term implementations within individual commands will be tailored to meet local needs and to reflect the state of the industry at the time of implementation.	From: ... To: Remove the second sentence. Explanation: Implementation information.		Recommend Rejection. This is an important understanding that must be communicated clearly and often.	G Booker/C Crawford	AMCOM
A.1.1	Federated System of Systems	ACMS will be the principal Army system for finding, retrieving, managing, and controlling access to Army product data. ACMS will be a federated system of systems. It will be federated in the sense that local sites will manage their own data and support their own site-unique business processes. It is a system of systems in the sense that all sites will share standard metadata (see Appendix D) that describe the managed product data and will possess capabilities that are common to the whole of ACMS. Within the ACMS federation, any authorized user will have visibility into controlled product structures, associated product data, and standard metadata.	From: ... standard metadata (see Appendix D) To: ... metadata (see Appendix D) Explanation: Define standard metadata or use the words defined in glossary Appendix D. The term standard metadata occurs twice in this paragraph. Suggest that metadata be used in both occurrences.	ACMS will be the principal Army system for finding, retrieving, managing, and controlling access to Army product data. ACMS will be a federated system of systems. It will be federated in the sense that local sites will manage their own data and support their own site-unique business processes. It is a system of systems in the sense that all sites will share metadata (see Appendix D) that describe the managed product data and will possess capabilities that are common to the whole of ACMS. Within the ACMS federation, any authorized user will have visibility into controlled product structures, associated product data, and standard metadata.	Accept.	Gordon Ney	AMSAA
A.1.3	Standard Set of Data Information Packets	MIL-STD-2549, Department of Defense Interface Standard, Configuration Management Data Interface, defines the standard core metadata which must be sharable within and outside the ACMS federation. The data elements describe the configuration management data needed to support the principles of configuration management in accordance with EIA/IS-649, National Consensus Standard for Configuration	(PART 1) From: ...Standard Core Metadata To: ... Standard Set of Data Information Packets Explanation: More appropriate title for reference to MIL-STD 2549 Packets. (PART 2) From: ...MIL-STD-2549 defines the standard core metadata which must be sharable within and outside the ACMS federation. The data elements describe..... To: ... MIL-STD-2549 defines a standard set of data information packets, that allow the sharing of product data within and outside the ACMS federation. The information packets describe..... Explanation: More appropriate	MIL-STD-2549, Department of Defense Interface Standard, Configuration Management Data Interface, defines a standard set of data information packets, that allow the sharing of product data within and outside the ACMS federation. The information packets describe the configuration management data needed to support the principles of configuration management in accordance with EIA/IS-649, National Consensus Standard for Configuration Management. These information packets and the relationships	Accept AMSAA comment.	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		Management. These data elements and the relationships depicted in MIL-STD-2549 also provide the basis for exchanging rudimentary product structure information in the form of parts and Bill of Materials data.	use of packets from MIL-STD 2549. (PART 3) From: ...These data elements and the relationships depicted..... To: ... These information packets and the relationships depicted..... Explanation: More appropriate use of packets from MIL-STD 2549. Suggest that you global search for data elements, and substitute information packets where appropriate.	depicted in MIL-STD-2549 also provide the basis for exchanging rudimentary product structure information in the form of parts and Bill of Materials data.			
A.1.3	Standard Set of Data Information Packets		From: ...A.1.3 Standard Core Metadata. MIL-STD-2549, Department of Defense Interface Standard, Configuration Management Data Interface, defines the standard core metadata which must be sharable ... To: ... A.1.3 Sharable Metadata. MIL-STD-2549, Department of Defense Interface Standard, Configuration Management Data Interface, defines the metadata which must be sharable ... Explanation: The notion of specifying core data elements has been rejected in favor of a requirement for exchanging data in accordance with the MIL-STD-2549 data information packets. This is the first of a series of comments that removes the notion of core data from the ACMS Performance Specification. See paragraphs 1.2.5-4, 1.2.5-4.10, A.1.3, A2.1.2, B.2.1.2.2, and B.2.2.2.5.1. (Action # 89)			Jim Cox	BDM
A.2.1	Army Configuration and Product Data Management System.	ACMS users will be able to find, view, copy, and print Army product data, regardless of whether the Army has change control authority or not. To accomplish this, each member of the ACMS federation will need visibility into all product data that is controlled and digitally stored. As a result, systems within and external to the ACMS federation will need to exchange metadata about this product	From: Fifth sentence - Generally, the Army will have change control authority over the product data managed within the ACMS federation and over Army product data stored in JEDMICS. To: Remove this sentence. Explanation: This statement is not true, especially with Aviation data and not true in light of Acquisition Reform.	ACMS users will be able to find, view, copy, and print Army product data, regardless of whether the Army has change control authority or not. To accomplish this, each member of the ACMS federation will need visibility into all product data that is controlled and digitally stored. As a result, systems within and external to the ACMS federation will need to exchange metadata about this product data and	Accept.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		data and provide access to their product data. This is necessary so that the data, an enterprise resource, can be widely shared. Generally, the Army will have change control authority over the product data managed within the ACMS federation and over Army product data stored in JEDMICS. ACMS will enable authorized users to create, find, manage, retrieve, view, redline, update as a new version, save as new data, or make some other use of product data for which the Army is the change control authority. Local ACMS implementations will be able to configuration manage their own vaulted product data, as well as product data they own, but physically store that data in external repositories such as JEDMICS.		provide access to their product data. This is necessary so that the data, an enterprise resource, can be widely shared. ACMS will enable authorized users to create, find, manage, retrieve, view, redline, update as a new version, save as new data, or make some other use of product data for which the Army is the change control authority. Local ACMS implementations will be able to configuration manage their own vaulted product data, as well as product data they own, but physically store that data in external repositories such as JEDMICS.			
A.2.1.1	Single, Comprehensive Product Data Manager	In some instances, ACMS will function as the sole data management system and repository for a collection of product data. This includes directly providing for the physical storage and configuration management of the data, as well as for security and access control. Security and access control will include managing user authorizations, monitoring access, and providing for the check-in and check-out of data. In these cases, ACMS will be the only data manager for the data.	From: Second sentence To: This includes directly providing for the physical storage and configuration management of data, as well as the security for and controlled access to the data. Explanation:	In some instances, ACMS will function as the sole data management system and repository for a collection of product data. This includes directly providing for the physical storage and configuration management of the data, as well as the security for and controlled access to the data. Security and access control will include managing user authorizations, monitoring access, and providing for the check-in and check-out of data. In these cases, ACMS will be the only data manager for the data.	Accept.	G Booker/C Crawford	AMCOM
A.2.1.2	Shared Product Data Manager	In other instances, ACMS will share data management responsibilities with other systems. Examples of other systems include unique Product Data Management (PDM), Configuration Management (CM), and CITIS	From: ... Under these circumstances, ACMS will manage the defined core product metadata, while ... ... (see A.1.3, Standard Core Data), ... To: ... Under these circumstances, ACMS will exchange and manage product metadata based on data elements in MIL-STD-2549 data	In other instances, ACMS will share data management responsibilities with other systems. Examples of other systems include unique Product Data Management (PDM), Configuration Management (CM), and CITIS systems	Accept BDM comment with modifications.	Jim Cox	BDM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		systems owned and operated by individual programs, commands, or contractors. Data management features inherent in data authoring systems are another example of cases where ACMS will need to share data management responsibilities. Under these circumstances, ACMS will manage the defined core product metadata, while site specific PDM, CM, and/or CITIS systems will control the site's own engineering data (to include site unique metadata). Physical storage, configuration management, security, and access control of the data will be accomplished by the site's data management system(s). ACMS and the other data management system, however, will interface to exchange data and metadata (see A.1.3, Standard Core Data), so that ACMS can maintain enterprise-level visibility of Army product data.	information packets, while ... ... (see A.1.3, Shareable Metadata), ... Explanation: The notion of specifying core data elements has been rejected in favor of a requirement for exchanging data in accordance with the MIL-STD-2549 data information packets. This is the first of a series of comments that removes the notion of core data from the ACMS Performance Specification. See paragraphs 1.2.5-4, 1.2.5-4.10, A.1.3, A2.1.2, B.2.1.2.2, and B.2.2.2.5.1. (Action # 89)	owned and operated by individual programs, commands, or contractors. Data management features inherent in data authoring systems are another example of cases where ACMS will need to share data management responsibilities. Under these circumstances, ACMS will exchange and manage product metadata based on MIL-STD-2549 data information packets, while site specific PDM, CM, and/or CITIS systems will control the site's own engineering data (to include site unique metadata). Physical storage, configuration management, security, and access control of the data will be accomplished by the site's data management system(s). ACMS and the other data management system, however, will interface to exchange data and metadata (see A.1.3, Standard Set of Data Information Packets), so that ACMS can maintain enterprise-level visibility of Army product data.			
A.2.2	Army-Wide Product Data Provider	With ACMS, it will be possible for any authorized user to identify and request any piece of product data for which the Army is the change control authority. ACMS will assist the user in identifying the desired product data, locate and request the product data for the user, and then present the product data to the user in a usable form. Key implications that result from this role include the following:	From: First sentence To: With ACMS, it will be possible for any authorized user to identify and request any piece of digitally stored and controlled Army product data. Explanation:	With ACMS, it will be possible for any authorized user to identify and request any piece of digitally stored and controlled Army product data. ACMS will assist the user in identifying the desired product data, locate and request the product data for the user, and then present the product data to the user in a usable form. Key implications that result from this role include the following:	Accept.	G Booker/C Crawford	AMCOM
B	APPENDIX B ACMS Support of Army	ACMS will provide support to both the weapon systems and data life cycles. Section B.1 below describes ACMS from the weapon system life-	From: ...ACMS will provide support to both weapon systems and data life cycles. To: ... ACMS will provide support for the life cycle management of both weapon systems and data	ACMS will provide support for the life cycle management of both Army products and their data.	Accept AMSAA comment with modifications to reflect comments against 1.2.5-15 and G-25. Replace "weapon	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
	Product and Data Life Cycles	cycle perspective. Section B.2, ACMS Operation within Product Data Life Cycle, describes ACMS from the data life-cycle perspective.	for weapon systems. Explanation: Editorial Clarification.		system" with "Army product" or "Army program" as appropriate.		
B.1.2	Production	By making design data accessible as it evolves, ACMS will enable the manufacturing community to be aware of and more readily influence the weapon system design. Additionally, during weapons system manufacture, ACMS will enable authorized members of the manufacturing community to rapidly find and retrieve design, manufacture, test, and analysis data that affect the development of manufacturing processes, the acquisition or configuration of manufacturing equipment, and the procurement of manufacturing materials. This will facilitate early planning and evaluation of manufacturing alternatives. For example, manufacturing simulations can be prepared early on based on evolving product data. These simulations may reveal design problems from a manufacturer's perspective, and also will enable the manufacturer to begin planning the production process sooner. Additionally, manufacturers will be able to initiate change actions or participate in change evaluations using ACMS' engineering change action on-line displays, workflows, and viewing and mark-up capabilities. ACMS will provide them with access to supporting product data, thus enhancing the quality of engineering change actions. ACMS also will enable a preparer of	From: ... To: Why was this section changed from Manufacturing to Production ? Explanation:		Changed "Manufacturing" to "Production" because the life-cycle phases as listed in B.1.1 are development, production, operation, ... These are the commonly used terms for these phases. Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		an engineering change action to determine if similar or related engineering change actions are in process, have been rejected, or have been approved. Additionally, ACMS will enable users to perform where-used (or co-used) analyses to ensure proper coordination of engineering change actions.					
B.2.1.2	Operational Concept	ACMS will support data acquisition primarily by providing the means to introduce acquired product data into the ACMS environment of managed data. With a few exceptions, as described later in this paragraph, the actual authoring of product data is outside the domain of ACMS. ACMS will support the introduction of acquired product data into the Army's environment of managed data, however, by providing the capability to capture and securely store authored product data via its data vaulting capabilities. ACMS also will provide mechanisms for obtaining product data, to include metadata, from contractors. These mechanisms will be based on standards such as STEP (STandard for the Exchange of Product model data - ISO 10303), CALS (Commerce At Light Speed), and MIL-STD-2549, along with an open and published API. In these cases the actual product data authoring is done external to ACMS. On the other hand, ACMS will support the direct creation of some product data by providing data authors with the capability to build product structures, assign relationships between instances	From: Fifth sentence To: These mechanisms will be based on standards such as STandard for the Exchange of Product (STEP) model data--ISO 10303, Continuous Acquisition and Life Cycle Support (CALS), and MIL-STD-2549, along with an open and published API. Explanation:	ACMS will support data acquisition primarily by providing the means to introduce acquired product data into the ACMS environment of managed data. With a few exceptions, as described later in this paragraph, the actual authoring of product data is outside the domain of ACMS. ACMS will support the introduction of acquired product data into the Army's environment of managed data, however, by providing the capability to capture and securely store authored product data via its data vaulting capabilities. ACMS also will provide mechanisms for obtaining product data, to include metadata, from contractors. These mechanisms will be based on standards such as STandard for the Exchange of Product (STEP) model data--ISO 10303, Continuous Acquisition and Life Cycle Support (CALS), and MIL-STD-2549, along with an open and published API. In these cases the actual product data authoring is done external to ACMS. On the other hand, ACMS will support the direct creation of some product data by providing data authors with the capability to build product structures, assign relationships between instances of product data, and establish relationships between specific product	Accept AMCOM and AMSAA comments. Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		of product data, and establish relationships between specific product data items and product structure elements. Using system administrator-configurable on-line editable displays and automated rules, ACMS also will enable product data authors to initialize configuration control data. This includes assigning configuration item identifiers, generating engineering change actions, and recording evaluations of engineering change actions by using ACMS on-line editable displays and viewing/mark-up tools. The following subparagraphs provide descriptions of specific ACMS operational capabilities that will support the acquisition of Army product data.		data items and product structure elements. Using system administrator-configurable on-line editable displays and automated rules, ACMS also will enable product data authors to initialize configuration control data. This includes assigning configuration item identifiers, generating engineering change actions, and recording evaluations of engineering change actions by using ACMS on-line editable displays and viewing/mark-up tools. The following subparagraphs provide descriptions of specific ACMS operational capabilities that will support the acquisition of Army product data.			
B.2.1.2	Operational Concept		From: ...CALS (Commerce At Light Speed) To: ... CALS (Continuous Acquisition and Life-Cycle Support) Explanation: Current definition of Army and OSD programs and standards. Commerce At Light Speed identifies industry steering group efforts.			Gordon Ney	AMSAA
B.2.1.2. 2	Check-In Product Data	Checking product data into the ACMS is one means by which product data is entered into the ACMS environment of managed data. Upon initiation of the check-in function, ACMS will present an authorized product data author with an editable display of required ACMS metadata. The metadata fields on the editable display will be empty or will contain existing or default values (existing values are for product data that is being revised; default values are for new product data that is being loaded for the first time). The user	From: Eighth sentence - ...product data had been checked .... To: ... product data has been checked .... Explanation:	Checking product data into the ACMS is one means by which product data is entered into the ACMS environment of managed data. Upon initiation of the check-in function, ACMS will present an authorized product data author with an editable display of required ACMS metadata. The metadata fields on the editable display will be empty or will contain existing or default values (existing values are for product data that is being revised; default values are for new product data that is being loaded for the first time). The user will enter,	Accept comments. Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		will enter, modify, or accept the metadata and proceed with the check-in operation. ACMS will then copy the product data, to include metadata, from the user's workspace into the ACMS vault assigned to the user. ACMS will notify the user as to the success of the transaction and will make the core metadata available to all systems within the ACMS federation. The user may not need to know the actual physical location of the product data. If the product data had been checked out for revision, ACMS will release the check-out lock at this time. ACMS also will support batch loading of product data, to include metadata.		modify, or accept the metadata and proceed with the check-in operation. ACMS will then copy the product data, to include metadata, from the user's workspace into the ACMS vault assigned to the user. ACMS will notify the user as to the success of the transaction and will make the metadata available to all systems within the ACMS federation. The user may not need to know the actual physical location of the product data. If the product data has been checked out for revision, ACMS will release the check-out lock at this time. ACMS also will support batch loading of product data, to include metadata.			
B.2.1.2. 2	Check-In Product Data		From: (next to last sentence)... ACMS will notify the user as to the success of the transaction and will make the core metadata available to To: ... ACMS will notify the user as to the success of the transaction and will make metadata available to.... Explanation: The notion of specifying core data elements has been rejected in favor of a requirement for exchanging data in accordance with the MIL-STD-2549 data information packets. This is the first of a series of comments that removes the notion of core data from the ACMS Performance Specification. See paragraphs 1.2.5-4, 1.2.5-4.10, A.1.3, A2.1.2, B.2.1.2.2, and B.2.2.2.5.1. (Action # 89)			Jim Cox	BDM
B.2.1.2. 2	Check-In Product Data		From: ... make the core metadata available to all systems within the ACMS federation. To: ... make metadata available to all systems within the ACMS federation. Explanation: Core metadata is not defined. Define it or use metadata.			Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
B.2.1.2. 5	Build Product Structures	The creation of product structures is a form of product data authoring. ACMS will provide for the creation of new product structure elements such as assemblies, components, and parts. These parts may then be associated (i.e., related or linked) in a hierarchical manner to represent a newly defined product. ACMS will present the hierarchical product structures to users via a graphical display. Product structures may be revised and retained as new revisions. ACMS will provide for creating, recording, and maintaining multiple versions for a given product structure element. ACMS also will provide the ability to specify and maintain product structure effectivity information on when a part revision is valid for use in assembling a particular revision of a product. ACMS also will be able to import product structure relationships authored elsewhere.	From: Sixth sentence - ....multiple versions for a given .... To: ... multiple revisions of a given .... Explanation:	The creation of product structures is a form of product data authoring. ACMS will provide for the creation of new product structure elements such as assemblies, components, and parts. These parts may then be associated (i.e., related or linked) in a hierarchical manner to represent a newly defined product. ACMS will present the hierarchical product structures to users via a graphical display. Product structures may be revised and retained as new revisions. ACMS will provide for creating, recording, and maintaining multiple revisions for a given product structure element. ACMS also will provide the ability to specify and maintain product structure effectivity information on when a part revision is valid for use in assembling a particular revision of a product. ACMS also will be able to import product structure relationships authored elsewhere.		G Booker/C Crawford	AMCOM
B.2.1.2. 6	Author Relationships	In addition to the product structure relationships described above, ACMS will allow for authoring the following kinds of relationship data: links between product data and product structure elements, links between two different pieces of product data, and the type of links themselves. The links between product data and product structure elements are the means by which product data is associated with particular product structure elements. These links will enable ACMS users to find product data by navigating product structures. The links between different product data are the means by	From: Sixth sentence - .....and defined by system administrators, thus allowing .... To: ... and defined, thus allowing .... Explanation:	In addition to the product structure relationships described above, ACMS will allow for authoring the following kinds of relationship data: links between product data and product structure elements, links between two different pieces of product data, and the type of links themselves. The links between product data and product structure elements are the means by which product data is associated with particular product structure elements. These links will enable ACMS users to find product data by navigating product structures. The links between different product data are the means by which two pieces of product	Accept AMCOM's comment, but I doubt if the systems will allow any ordinary user to define link types.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		which two pieces of product data are related to one another. The type of link defines the nature of the relationship. The link type itself can be created and defined by system administrators, thus allowing product data authors to create new ways of describing the relationships. ACMS also will be able to import relationship data authored elsewhere. This includes the following kinds of relationship data: links between product data and product structure elements, links between two pieces of product data, and the type of links themselves.		data are related to one another. The type of link defines the nature of the relationship. The link type itself can be created and defined, thus allowing product data authors to create new ways of describing the relationships. ACMS also will be able to import relationship data authored elsewhere. This includes the following kinds of relationship data: links between product data and product structure elements, links between two pieces of product data, and the type of links themselves.			
B.2.1.2. 7	Create, Associate, and Track Engineering Change Actions	ACMS will enable users to create, associate, and track engineering change documents against product data. Once into ACMS, the change initiator will request a standard editable on-line engineering change action display. ACMS will present the display, which may have been tailored by the local system administrator, to the change initiator who inspects the default data provided by ACMS and makes changes and additions as necessary. ACMS will automatically assign the next available unique engineering change action number. The change initiator will use the ACMS query/search and/or product structure navigation capabilities to find any product data that needs to be attached to the engineering change action display and submit the engineering change action for consideration via a predefined engineering change action workflow.	From: ...engineering change documents To: ... engineering change actions Explanation: I do not know the intent here. Another suggested wording could be engineering change actions and associated documents, but I think the definition of engineering change action includes documents. Does it? Should it?	ACMS will enable users to create, associate, and track engineering change actions against product data. Once into ACMS, the change initiator will request a standard editable on-line engineering change action display. ACMS will present the display, which may have been tailored by the local system administrator, to the change initiator who inspects the default data provided by ACMS and makes changes and additions as necessary. ACMS will automatically assign the next available unique engineering change action number. The change initiator will use the ACMS query/search and/or product structure navigation capabilities to find any product data that needs to be attached to the engineering change action display and submit the engineering change action for consideration via a predefined engineering change action workflow.	Accept AMSAA comment. Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
B.2.2.2	Operational Concept	ACMS will provide visibility into all official Army digital product data. ACMS will provide configuration control of Army product data for which the Army is the Current Document Change Authority (CDCA). All local implementations of ACMS will share metadata and access to Army product data. These local implementations of the ACMS federation, however, will exercise change and check-in/out control for product data that they store and manage locally. This means that while the local implementations of ACMS will exercise physical control over the product data, any ACMS user will be able to find and retrieve any data maintained within the ACMS federation. The notion of shared product data access is further extended when ACMS exchanges metadata with external PDM, CM, or CITIS systems. This exchange will provide ACMS with visibility into what product data is available and where it is located. As the Army's primary mechanism for accessing product data, ACMS will interact with the external systems to request the product data when needed. The following subparagraphs describe specific ACMS operational capabilities that will support the management of Army product data.	From: First sentence - ...into all official Army digital product data. To: ... into all official digital product data. Explanation:		Recommend Rejecting. Will the Army use ACMS to find and view Air Force digital data?	G Booker/C Crawford	AMCOM
B.2.2.2.3.2	Check-In ACMS Vaulted Product Data and Populate	Product data check-in supports both the data acquisition and data management life-cycle phases. It is the means by which new or revised product data is brought under ACMS' control, hence the association with	From: Fourth sentence - ...see Section B.2.1.2.2, Product Data Check-In. To: ... see Section B.2.1.2.2, Check-In Product Data. Explanation:	Product data check-in supports both the data acquisition and data management life-cycle phases. It is the means by which new or revised product data is brought under ACMS' control, hence the association with data acquisition. It also	Accept.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
	JEDMICS	data acquisition. It also is a means of managing the integrity of controlled product data, hence the association with data management. The data acquisition section above discusses product data check-in -- see Section B.2.1.2.2, Product Data Check-In.		is a means of managing the integrity of controlled product data, hence the association with data management. The data acquisition section above discusses product data check-in -- see Section B.2.1.2.2, Check-In Product Data.			
B.2.2.2.3.3	Check-Out ACMS Vaulted Product Data	Once the desired product data is found, either as the result of a successful query or through product structure navigation, the user will initiate the ACMS check-out function. If the user is authorized to access the product data and the data is vaulted by ACMS, then ACMS will respond by copying the requested files or information (e.g., drawing, model, or document) from the ACMS vault to the user's workspace. Upon check-out, ACMS will lock the requested files to prevent multiple users from attempting to modify the product data simultaneously. Other users will be allowed to view and copy the checked out product data (the copy would be treated as new data), but they would not be able to modify it or create new versions until the check-out is released. ACMS will provide the ability to view which user has checked the product data out from the vault. If the user who has checked the product data out decides he or she no longer intends to modify the product data and only wants to view the data or work with a copy, then he or she may release the lock if so desired, thus freeing the check-out for other users.	From: Fourth sentence - ...create new versions until the .... To: ... create new revisions until the .... Explanation:	Once the desired product data is found, either as the result of a successful query or through product structure navigation, the user will initiate the ACMS check-out function. If the user is authorized to access the product data and the data is vaulted by ACMS, then ACMS will respond by copying the requested files or information (e.g., drawing, model, or document) from the ACMS vault to the user's workspace. Upon check-out, ACMS will lock the requested files to prevent multiple users from attempting to modify the product data simultaneously. Other users will be allowed to view and copy the checked out product data (the copy would be treated as new data), but they would not be able to modify it or create new revisions until the check-out is released. ACMS will provide the ability to view which user has checked the product data out from the vault. If the user who has checked the product data out decides he or she no longer intends to modify the product data and only wants to view the data or work with a copy, then he or she may release the lock if so desired, thus freeing the check-out for other users.	Accept.	G Booker/C Crawford	AMCOM
B.2.2.2.3.4	Retrieve	Army product data users will check	From: ... To: Remove this paragraph.		Recommend Rejecting. While	G Booker/C	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
	JEDMICS Stored Product Data	product data out of JEDMICS via ACMS. An ACMS user will find JEDMICS product data using queries or product structure navigation. The user will initiate the ACMS check-out function and ACMS will prepare and transmit request for the product data to JEDMICS. ACMS will receive the product data from JEDMICS and present it to the user. If necessary, JEDMICS will send ACMS notices that indicate whether or not the transaction was successful. By using ACMS to retrieve JEDMICS-stored product data, it will be possible to manage use of Army product data, make sure that users are receiving the correct product data, and facilitate concurrent engineering efforts. The same file locking and metadata update procedures described in the previous paragraph will apply for checking out JEDMICS stored product data.	Explanation: Duplicate of B.2.2.2.3.3. JEDMICS should not be handled differently.		we agree that JEDMICS should not be handled differently, we believe that it will be unless specifically mentioned.	Crawford	
B.2.2.2.5.1	Receiving Product Data from External Data Managemen t Systems	ACMS will be responsible for providing visibility into and access to all Army product data. When the Army does not have change control authority over the product data and it is controlled by and vaulted in data management systems external to the ACMS federation, ACMS will need to be capable of receiving both product data and data about this product data (metadata) from the external data management system. Examples of these external data management systems include PDM, CM, CITIS, or authoring systems. To accomplish this, ACMS will need to have a published API and will need to	From: ...(5th sentence) ... MIL-STD-2549, Department of Defense Interface Standard, Configuration Management Data Interface, defines the standard core metadata which must be sharable within and outside the ACMS federation. ... To: ... MIL-STD-2549, Department of Defense Interface Standard, Configuration Management Data Interface, defines the metadata which must be sharable within and outside the ACMS federation. ... Explanation: The notion of specifying core data elements has been rejected in favor of a requirement for exchanging data in accordance with the MIL-STD-2549 data information packets. This is the first of a series of comments that removes the notion of core data from the ACMS	ACMS will be responsible for providing visibility into and access to all Army product data. When the Army does not have change control authority over the product data and it is controlled by and vaulted in data management systems external to the ACMS federation, ACMS will need to be capable of receiving both product data and data about this product data (metadata) from the external data management system. Examples of these external data management systems include PDM, CM, CITIS, or authoring systems. To accomplish this, ACMS will need to have a published API and will need to migrate towards the configuration management data interface standard	Replaced "data element" with "data information packets" per AMSAA suggestion on A1.3. Made same changes as were requested for A.1.3.	Jim Cox	BDM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		migrate towards the configuration management data interface standard (MIL-STD-2549) as the means for defining what metadata must be exchanged among ACMS and other PDM, CM, and CITIS systems. MIL-STD-2549, Department of Defense Interface Standard, Configuration Management Data Interface, defines the standard core metadata which must be sharable within and outside the ACMS federation. The data elements describe the configuration management data needed to support the principles of configuration management specified in EIA/IS-649, National Consensus Standard for Configuration Management. These data elements and the relationships depicted in MIL-STD-2549 also provided the basis for exchanging rudimentary product structure information in the form of parts and Bill of Materials data. Once ACMS determines that the desired product data is located in an external system and if the user requests the product data, then ACMS will formulate a request for the product data, initiate a session with the system that controls and stores the product data, submit the request, receive the requested product data or appropriate response notice, and present the results (product data or response notice) to the ACMS user. As a result, Army product data users will be able to find, view, copy, and print Army product data via ACMS even when ACMS does not directly manage the product data.	Performance Specification. See paragraphs 1.2.5-4, 1.2.5-4.10, A.1.3, A2.1.2, B.2.1.2.2, and B.2.2.2.5.1. (Action # 89)	(MIL-STD-2549) as the means for defining what metadata must be exchanged among ACMS and other PDM, CM, and CITIS systems. MIL-STD-2549 defines a standard set of data information packets, that allow the sharing of product data within and outside the ACMS federation. The information packets describe the configuration management data needed to support the principles of configuration management in accordance with EIA/IS-649. These information packets and the relationships depicted in MIL-STD-2549 also provide the basis for exchanging rudimentary product structure information in the form of parts and Bill of Materials data. Once ACMS determines that the desired product data is located in an external system and if the user requests the product data, then ACMS will formulate a request for the product data, initiate a session with the system that controls and stores the product data, submit the request, receive the requested product data or appropriate response notice, and present the results (product data or response notice) to the ACMS user. As a result, Army product data users will be able to find, view, copy, and print Army product data via ACMS even when ACMS does not directly manage the product data.			

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
B.2.2.2.6.1	Workflow Builders	Authorized ACMS users will be able to build workflows. These workflows may be saved as templates or executed as ad hoc workflows. The creator of a workflow will be able to build sequential and concurrent tasks, establish timed and event triggers, and assign roles to users with specific data access rights for specific tasks within the workflow.	From: Third sentence - ...concurrent tasks, establish timed and event triggers, and assign roles to users with specific data access rights for specific tasks within the workflow. To: ... concurrent tasks and establish timed and event triggers. Explanation:	Authorized ACMS users will be able to build workflows. These workflows may be saved as templates or executed as ad hoc workflows. The creator of a workflow will be able to build sequential and concurrent tasks, and establish timed and event triggers.	Accept.	G Booker/C Crawford	AMCOM
B.2.2.2.7	Configuration Manage Product Structures and Product Data	ACMS will configuration manage product structures and product data in accordance with the guidance provided in MIL-HDBK-61, Configuration Management Guidance, and MIL-STD-2549, Configuration Management Data Interface. Specifically, ACMS will enable users to record the following:	From: Sixth item - Unique file identifiers (to include time/date stamp). To: Unique file identifiers (to include revision and time/date stamp). Explanation:		Recommend Rejecting. In the concept for a 1-tiered revision scheme outlined by BDM, the user will request document representation revisions and recieve files via their direct associated with the document representation. If one finds it necessary to carry the 1-tiered scheme all the way down to the file, then the file data/time stammp is the "revision indicator" for the file per MIL-STD-2549. If the Army wishes to have a "revision indicator" for files in addition to the date/time stamp, it will be necessary to initiate a change to MIL-STD-2549.	G Booker/C Crawford	AMCOM
B.2.2.2.8	Record and Report on Product Data Status	ACMS will record and present to authorized users the release, baseline, change, and audit status of product structures and product data. In particular, ACMS will provide authorized users with the capability to record the release levels of specific product structures and product data, when the product structure or product data was promoted to the indicated	From: ...report on the status of engineering changes. To: ... report on the status of engineering change actions. Explanation: Engineering changes is not defined, define it or use engineering change actions which is proposed to be defined.	ACMS will record and present to authorized users the release, baseline, change, and audit status of product structures and product data. In particular, ACMS will provide authorized users with the capability to record the release levels of specific product structures and product data, when the product structure or product data was promoted to the indicated release level, and when the	Accept.	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		release level, and when the release became effective. Authorized users will be provided the ability to generate displays and reports containing the above release status data. ACMS also will enable authorized users to record the identity of a baselined product structure and related configuration data, along with when the baseline was approved and the effective date of the baseline. ACMS will also record and report on the status of engineering changes, actions associated with the changes, and the implementation status of changes. As audits are performed, ACMS will record and report on the schedules, status, and results of configuration audits.		release became effective. Authorized users will be provided the ability to generate displays and reports containing the above release status data. ACMS also will enable authorized users to record the identity of a baselined product structure and related configuration data, along with when the baseline was approved and the effective date of the baseline. ACMS will also record and report on the status of engineering change actions, actions associated with the changes, and the implementation status of changes. As audits are performed, ACMS will record and report on the schedules, status, and results of configuration audits.			
B.2.2.2.9	Archive and Backup Product Data	ACMS will provide system administrators with the tools necessary to establish and maintain archives and backups of product data kept in ACMS vaults. In the event of corruption or other damage to the ACMS data vault, ACMS will enable system administrators to restore the system from backups. Similarly, ACMS will provide system administrators with the tools needed to request and retrieve historical archives information from off-line archival storage. ACMS will provide for backup operations at remote sites for each site as part of the Army's Continuity of Operations Plan (COOP) for product data.	From: Fourth sentence - ....as part of the Army's Continuity of Operations Plan (COOP) for product data. To: ... as part of the COOP for product data. Explanation:	ACMS will provide system administrators with the tools necessary to establish and maintain archives and backups of product data kept in ACMS vaults. In the event of corruption or other damage to the ACMS data vault, ACMS will enable system administrators to restore the system from backups. Similarly, ACMS will provide system administrators with the tools needed to request and retrieve historical archives information from off-line archival storage. ACMS will provide for backup operations at remote sites for each site as part of the COOP for product data.	Accept.	G Booker/C Crawford	AMCOM
B.2.3.2.2	Search Product Data Attributes	ACMS users also will be able to search for product data by constructing queries against product data attributes. ACMS will provide the ability to	From: Third sentence - ...determines which class or group of product data .... To: ... determines which group of product data .... Explanation:	ACMS users also will be able to search for product data by constructing queries against product data attributes. ACMS will provide the ability to group product	Accept.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		group product data which share a common set of required attributes. Once a user determines which class or group of product data they need, it will be possible for the user to build queries to locate particular instances of the group. The queries, which may be saved for later reuse, will provide the ability to search attributes associated with the particular grouping for specific values, ranges of values, and logical combinations using Boolean operations. Because the system administrator will have the ability to restrict a user's access to specific product data attributes, ACMS will also be able to restrict the types of queries users can create. Product data searches via queries may be created and initiated from ACMS' web-based browser capability or from the ACMS client software. As before, it may not be necessary for the user to know the specific location of the product data in the ACMS federation.		data which share a common set of required attributes. Once a user determines which group of product data they need, it will be possible for the user to build queries to locate particular instances of the group. The queries, which may be saved for later reuse, will provide the ability to search attributes associated with the particular grouping for specific values, ranges of values, and logical combinations using Boolean operations. Because the system administrator will have the ability to restrict a user's access to specific product data attributes, ACMS will also be able to restrict the types of queries users can create. Product data searches via queries may be created and initiated from ACMS' web-based browser capability or from the ACMS client software. As before, it may not be necessary for the user to know the specific location of the product data in the ACMS federation.			
C.1	Introduction	The following paragraphs present examples of ACMS operational capabilities being applied in support of three business processes. This is done to tie the various operational capabilities described in Appendix B and illustrate their use in Army processes that require product data. The three processes presented are Integrated Process Team (IPT) Information Sharing, Engineering Change Action Processing, and Technical Data Package (TDP) Validation.	From: Third sentence - ... presented are Integrated Process Team (IPT) Information Sharing, Engineering Change Action Processing, and Technical Data Package (TDP) Validation. To: ... presented are IPT Information Sharing, Engineering Change Action Processing, and TDP Validation. Explanation:	The following paragraphs present examples of ACMS operational capabilities being applied in support of three business processes. This is done to tie the various operational capabilities described in Appendix B and illustrate their use in Army processes that require product data. The three processes presented are IPT Information Sharing, Engineering Change Action Processing, and TDP Validation.	Accept.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
C.2.1.1	Working Product Data	Working product data represents work in-progress. Only product data creators may make changes to the data, but select members of the IPT may be given view or copy access to the product data. In the early stages of its life, working product data need not be revisioned. In this circumstance, the state of the product data is highly dynamic. It may be stored in a secure vault where other members of the design team and possibly other members of the IPT can access the product data, but the revision identifiers need not be updated. Product data creators are trusted to coordinate changes they make, but are not required to establish new revisions until the product data reaches an appropriate level of maturity. When a change is being made, the non-revisioned product data is checked out from ACMS. This locks the product data from changes by others, but does not preclude other users from copying or viewing the product data. When the product data is checked back in, the product data is released for check-out by others, but is not revisioned. As the product data matures, the design team may elect to move their working product data into a vault where the product data is revisioned. Once this happens, each time the product data is check-out, revised, and then checked back in to the vault, a new revision is created. Eventually, as the data matures further, it will become time to formally release the data for access to a wider audience. ACMS will enable	From: ...The product data that is a candidate for release will routed.... To: ... The product data that is a candidate for release will be routed... Explanation: Editorial clarification	Working product data represents work in-progress. Only product data creators may make changes to the data, but select members of the IPT may be given view or copy access to the product data. In the early stages of its life the product data is highly dynamic. It may be stored in a secure vault where other members of the design team and possibly other members of the IPT can access the product data, but the revision identifiers need not be updated. Product data creators are trusted to coordinate changes they make, but are not required to establish new revisions until the product data reaches an appropriate level of maturity. When a change is being made, the non-revisioned product data is checked out from ACMS. This locks the product data from changes by others, but does not preclude other users from copying or viewing the product data. When the product data is checked back in, the product data is released for check-out by others, but is not revisioned. As the product data matures, the design team may elect to move their working product data into a vault where the product data is revisioned. Once this happens, each time the product data is check-out, revised, and then checked back in to the vault, a new revision is created. Eventually, as the data matures further, it will become time to formally release the data for access to a wider audience. ACMS will enable the current data change authority to have a workflow created for release review (or retrieve a saved workflow). The product data that is a candidate for release will be routed through the	Accept AMSAA and AMCOM comments. Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		the current data change authority to have a workflow created for release review (or retrieve a saved workflow). The product data that is a candidate for release will routed through the workflow along with an editable on-line release review display where comments and electronic sign-offs can be captured. Reviewers will retrieve the product data using ACMS, mark-up or redline a viewable image, add comments to the on-line review display, and either recommend the product data be reworked or add their electronic signatures to the sign-off. When the product data successfully progresses through the review, the product data will transition from working product data to released product data and will be subject to formal configuration control rules and processes.		workflow along with an editable on-line release review display where comments and electronic sign-offs can be captured. Reviewers will retrieve the product data using ACMS, mark-up or redline a viewable image, add comments to the on-line review display, and either recommend the product data be reworked or add their electronic signatures to the sign-off. When the product data successfully progresses through the review, the product data will transition from working product data to released product data and will be subject to formal configuration control rules and processes.			
C.2.1.1	Working Product Data		(PART 1)...From: Third and fourth sentences- - In the early stages of its life, working product data need not be revisioned. In this circumstance, the state of the product data is highly dynamic. It may be stored .... To: In the early stages of its life the product data is highly dynamic. It may be stored ... Explanation: (PART 2)...From: Thirteenth sentence - ...release will routed through ....To: ... release will be routed through ... Explanation:			G Booker/C Crawford	AMCOM
C.2.1.2	Released Product Data	Released product data represents data that is under formal configuration control. It may not be changed, but new revisions can be created via a formal engineering change process (described later). Released	From: ...Changes to baselined releases of product data is supported in a similar manner. To: ... Changes to baselined releases of product data are supported in a similar manner. Explanation: Editorial clarification	Released product data represents data that is under formal configuration control. It may not be changed, but new revisions can be created via a formal engineering change process (see paragraph C.3). Released developmental data, delivered	Accept both comments.	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		developmental data, delivered data, and baselined data can fall into this category of product data. Like working product data, released product data is vaulted and subject to access control rules. New revisions of released product data may be created, but it does not constitute a new release until after an engineering change action successfully passes through the formal engineering change process. A trusted data creator then checks out the current revision of the released product data, makes changes using an authoring application, and then saves (checks in) the revised product data as a new revision and a new release. Changes to baselined releases of product data is supported in a similar manner. The difference is that the change control process must go through a Configuration Control Board (CCB) prior to accepting the change and, both the release status attribute and the baseline status attributes of the product data will change		data, and baselined data can fall into this category of product data. Like working product data, released product data is vaulted and subject to access control rules. New revisions of released product data may be created, but it does not constitute a new release until after an engineering change action successfully passes through the formal engineering change process. A trusted data creator then checks out the current revision of the released product data, makes changes using an authoring application, and then saves (checks in) the revised product data as a new revision and a new release. Changes to baselined releases of product data are supported in a similar manner. The difference is that the change control process must go through a Configuration Control Board (CCB) prior to accepting the change and, both the release status attribute and the baseline status attributes of the product data will change.			
C.2.1.2	Released Product Data		From: Second sentence - ....engineering change process (described later). To: ... engineering change process (see paragraph C.3). Explanation:			G Booker/C Crawford	AMCOM
C.2.4	Data Use as Part of a Workflow	Many IPT members will be users who do not create product data, but review, evaluate, or reference product data on an regular basis. This can be done as part of a specific task for which they are responsible, in preparation for a major milestone, or as part of a process such as obtaining approvals to release product data. In some of these	From: First sentence - ...product data on an regular basis. To: ... product data on a regular basis. Explanation:	Many IPT members will be users who do not create product data, but review, evaluate, or reference product data on a regular basis. This can be done as part of a specific task for which they are responsible, in preparation for a major milestone, or as part of a process such as obtaining approvals to release product data. In some of these cases, the IPT	Accept.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		cases, the IPT members will need to find, retrieve, and view product data just to understand the current state of the requirements, design, or manufacture. In other cases, they will be an active participant in a pre-defined or ad hoc workflow where they need to review product data purposes as part of an assigned task. The following paragraphs describe IPT use of ACMS in a workflow situation.		members will need to find, retrieve, and view product data just to understand the current state of the requirements, design, or manufacture. In other cases, they will be an active participant in a pre-defined or ad hoc workflow where they need to review product data purposes as part of an assigned task. The following paragraphs describe IPT use of ACMS in a workflow situation.			
C.2.4.1	Workflow Builder	Authorized members of an IPT will be able to build ACMS workflows. These workflows can be saved as templates or executed as ad hoc workflows. IPT members who build workflows will be able to build sequential and concurrent tasks, establish timed and event triggers, and assign users to roles with specific data access rights for specific tasks within the workflow. Workflows may be built so that the rights of specific users or the rights associated with specific roles are temporarily restricted or expanded once the task becomes active.	(PART 1)...From: Third sentence-- IPT members who build workflows will be able to build sequential and concurrent tasks, establish timed and event triggers, and assign users to roles with specific data access rights for specific tasks within the workflow. To: IPT members who build workflows will be able to build sequential and concurrent tasks and establish timed and event triggers. Explanation: (PART 2)...From: ... To: Remove the last sentence. Explanation:	Authorized members of an IPT will be able to build ACMS workflows. These workflows can be saved as templates or executed as ad hoc workflows. IPT members who build workflows will be able to build sequential and concurrent tasks and establish timed and event triggers.	Accept.	G Booker/C Crawford	AMCOM
C.3.1	Creating an Engineering Change Action	A change initiator requests a standard editable on-line engineering change action display from ACMS. ACMS presents the display to the change initiator who inspects the default data provided by ACMS and makes changes and adds data as necessary. ACMS will automatically assign the next available unique engineering change action number. The change initiator uses ACMS' query/search and	From: Third sentence - ...unique engineering change action number. To: ... unique engineering change action number or allow the initiator to assign the engineering change action number. Explanation:	A change initiator requests a standard editable on-line engineering change action display from ACMS. ACMS presents the display to the change initiator who inspects the default data provided by ACMS and makes changes and adds data as necessary. ACMS will automatically assign the next available unique engineering change action number or allow the initiator to assign the engineering change action number. The	Accept AMCOM comment, but what if the initiator attempts to duplicate a number. Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		product structure navigation capabilities to find any product data that needs to be attached to the engineering change action editable on-line display. The engineering change action on-line display may be customized by the local system administrator.		change initiator uses ACMS' query/search and product structure navigation capabilities to find any product data that needs to be attached to the engineering change action editable on-line display. The engineering change action on-line display may be customized by the local system administrator.			
C.3.2	Creating an Engineering Change Action Workflow	Depending on the engineering change action, local operational procedures, and local preferences, engineering change actions can be distributed via ACMS' predefined or ad hoc workflows. Engineering change action workflows can be built from sequential and concurrent tasks, can have timed and event triggers, and can assign users to roles with specific product data access rights for specific tasks within the workflow.	From: Second sentence - ...and concurrent tasks, can have timed and event triggers, and can assign users to roles with specific product data access rights for specific tasks within the workflow. To: ... and concurrent tasks and can have timed and event triggers. Explanation:	Depending on the engineering change action, local operational procedures, and local preferences, engineering change actions can be distributed via ACMS' predefined or ad hoc workflows. Engineering change action workflows can be built from sequential and concurrent tasks, and can have timed and event triggers.	Accept AMCOM comment.	G Booker/C Crawford	AMCOM
C.3.3	Distributing an Engineering Change Action and Attached Product Data	A change initiator submits an engineering change action display and attachments for distribution to change evaluators. Depending on command preferences, there are several options for initiating the distribution of an engineering change action. One option is to send the engineering change action and attachments to a change administrator who is then responsible for further distribution of the engineering change action (e.g., invoking an appropriate workflow). A related option is to establish a "drop box" location in ACMS for candidate engineering change actions. The change administrator would periodically checked the "drop box" and distribute new engineering change	(PART 1)...From: Fifth sentence - .... periodically checked the "drop box" .... To: ... periodically check the"drop box".... Explanation: (PART 2)...From: Eighth sentence - ...roles established (which in turn establishes their access rights), and engineering .... To: ... roles established, and engineering ..... Explanation:	A change initiator submits an engineering change action display and attachments for distribution to change evaluators. Depending on command preferences, there are several options for initiating the distribution of an engineering change action. One option is to send the engineering change action and attachments to a change administrator who is then responsible for further distribution of the engineering change action (e.g., invoking an appropriate workflow). A related option is to establish a "drop box" location in ACMS for candidate engineering change actions. The change administrator would periodically check the "drop box" and distribute new engineering change actions. A third option is to configure or	Accept AMCOM comments. Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		actions. A third option is to configure or customize ACMS to automatically route a new engineering change action in accordance with a predefined workflow, once the engineering change action is submitted by a change initiator. In this case, a new engineering change action triggers an automatic process within ACMS. Regardless of the option for initiating a distribution, participants in the workflow will be assigned, their roles established (which in turn establishes their access rights), and engineering change actions will be routed based on predefined or ad hoc workflows.		customize ACMS to automatically route a new engineering change action in accordance with a predefined workflow, once the engineering change action is submitted by a change initiator. In this case, a new engineering change action triggers an automatic process within ACMS. Regardless of the option for initiating a distribution, participants in the workflow will be assigned, their roles established, and engineering change actions will be routed based on predefined or ad hoc workflows.			
C.3.5	Approving Proposed Changes (Voting and Electronic Sign-Off).	At some point in the engineering change action workflow, members of the Configuration Control Board (CCB) will be tasked to vote on the acceptability of the engineering change action. ACMS will provide the ability to record these votes and protect against unauthorized or premature voting. ACMS also will tabulate the votes and present them to the individual responsible for formally approving the engineering change action. ACMS will record the electronic sign-off or rejection of the engineering change action.	(PART 1)...From: First sentence - ...members of the Configuration Control Board (CCB) will ... To: ... members of the CCB will .... Explanation: (PART 2)....From: Second sentence - ...unauthorized or premature voting. To: ... unauthorized voting. Explanation: Premature voting was deleted as a functional requirement.	At some point in the engineering change action workflow, members of the CCB will be tasked to vote on the acceptability of the engineering change action. ACMS will provide the ability to record these votes and protect against unauthorized voting. ACMS also will tabulate the votes and present them to the individual responsible for formally approving the engineering change action. ACMS will record the electronic sign-off or rejection of the engineering change action.	Accept AMCOM's comments.	G Booker/C Crawford	AMCOM
C.4	TDP Validation	ACMS will support validation of Technical Data Packages (TDPs) by automatically responding to reprocurement event triggers, assembling a technical data package list (TDPL), presenting links to the data referenced by the TDPL, and then initiating an appropriate TDP review	From: ... To: ACMS will support validation of TDPs by automatically responding to reprocurement event triggers, assembling a TDPL, presenting links to the data referenced by the TDPL, and then initiating an appropriate TDP review workflow that culminates in approval and certification of the TDP via electronic sign-off. This process starts with the	ACMS will support validation of TDPs by automatically responding to reprocurement event triggers, assembling a TDPL, presenting links to the data referenced by the TDPL, and then initiating an appropriate TDP review workflow that culminates in approval and certification of the TDP via electronic	Accept with modification. Both PRON and PWD are now spelled out in 3.1.3.2.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		workflow that culminates in approval and certification of the TDP via electronic sign-off. This process starts with the identification of a need for a part by procurement (Inventory Management). A Procurement Work Directive (PWD) and a Procurement Request Order Number (PRON) are generated by the Inventory Manager's system in response to the need to procure a replacement or spares. The process ends when the certified TDP is sent to procurement.	identification of a need for a part by an Item Manager. A Procurement Work Directive (PWD) with a Procurement Request Order Number (PRON) is generated by the Item Manager's system in response to the need to procure spare or repair parts. Explanation:	sign-off. This process starts with the identification of a need for a part by an Item Manager. A PWD with a PRON is generated by the Item Manager's system in response to the need to procure spare or repair parts.			
C.4.1	Initiate Validation	An Inventory Manager, or an automated system supporting Inventory Management, will determine a need to procure replacements or spares. This will result in creation of a PWD and a unique PRON which is sent to the Configuration Manager. If the PRON and PWD were automatically generated and sent to ACMS, then ACMS will automatically respond to this event trigger by searching for the appropriate part, automatically assembling a TDPL, and automatically initiating a TDP review workflow. In the event that the PRON and PWD are not received automatically, then the Configuration Manager will need to access ACMS, find the part via search queries or product structure navigation, and initiate the assembly of the TDPL and links to the associated product data that makes up the TDP. Once the TDPL has been generated and the associated product data linked, the Configuration Manager will initiate an appropriate workflow for review,	From: ... To: An Item Manager, or an automated system supporting Inventory Management will determine the need to procure spares or repair parts. This will result in a PWD with a unique PRON which is sent to the technical loop for review and validation. If the PRON and PWD were automatically generated and sent to ACMS, then ACMS will automatically respond to this event trigger by searching for the appropriate part, automatically assembling a TDP, and automatically initiating a TDP review workflow. In the event that the PRON and PWD are not received automatically, then the personnel in the initial technical loop processing point will need to access ACMS, find the part via search queries or product structure navigation, and initiate the assembly of the TDP. Once the TDP has been generated, an appropriate workflow will be initiated for review, validation, approval, and certification of the TDP. Explanation:	An Item Manager, or an automated system supporting Inventory Management, will determine the need to procure spares or repair parts. This will result in a PWD with a unique PRON which is sent to the technical loop for review and validation. If the PRON and PWD were automatically generated and sent to ACMS, then ACMS will automatically respond to this event trigger by searching for the appropriate part, automatically assembling a TDP, and automatically initiating a TDP review workflow. In the event that the PRON and PWD are not received automatically, then the personnel in the initial technical loop processing point will need to access ACMS, find the part via search queries or product structure navigation, and initiate the assembly of the TDP. Once the TDP has been generated, an appropriate workflow will be initiated for review, validation, approval, and certification of the TDP.	Accept with an additional ",".	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		validation, approval, and certification of the TDP.					
C.4.2	Retrieve Supporting Product Data	Upon notification of an outstanding task, the TDP reviewers will be provided with a means to identify outstanding workflow tasks. The reviewers will select a task on which to work and use ACMS to retrieve the data associated with the TDP. Product data attached to the workflow task will be retrieved directly from ACMS' representation of the task. Any other product data that the reviewer deems necessary will be located and retrieved using ACMS' query/search, product structure navigation, and check-out capabilities. For example, the result of the query will identify product data by its drawing, document, or other product data identifier. This product data will include engineering drawings, models, simulations, specifications, standards, testing requirements, quality requirements required to manufacture an item, associated lists; process descriptions; and change action documentation. Other examples of product data include documents defining physical geometry, material composition, performance characteristics, manufacture, assembly, and acceptance test procedures.	From: ... To: Third sentence -- What does this mean? Explanation:	Upon notification of an outstanding task, the TDP reviewers will be provided with a means to identify outstanding workflow tasks. The reviewers will select a task on which to work and use ACMS to retrieve the data associated with the TDP. Product data attached to the workflow task will be retrieved directly from ACMS without requiring any additional querying or navigating. Any other product data that the reviewer deems necessary will be located and retrieved using ACMS' query/search, product structure navigation, and check-out capabilities. For example, the result of the query will identify product data by its drawing, document, or other product data identifier. This product data will include engineering drawings, models, simulations, specifications, standards, testing requirements, quality requirements required to manufacture an item, associated lists; process descriptions; and change action documentation. Other examples of product data include documents defining physical geometry, material composition, performance characteristics, manufacture, assembly, and acceptance test procedures.	"... retrieved directly from ACMS' representation of the task. ..." means that the user should be able to access the data by simply double clicking the data icon without going to another module of the system to request the data. Please review the proposed change to see if it conveys this concept without specifying a specific solution.	G Booker/C Crawford	AMCOM
C.4.3	Review and Update TDP	ACMS will enable TDP reviewers to view and mark-up or redline viewable images of the product data. Where the TDP is incomplete or requires modification, ACMS will enable the Configuration Manager to create,	From: First sentence - ... or redline viewable images of the .... To: ... or redline images of the .... Explanation:	ACMS will enable TDP reviewers to view and mark-up or redline images of the product data. Where the TDP is incomplete or requires modification, ACMS will enable the Configuration Manager to create, store, and control new	Accept.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
		store, and control new product data or make revisions to the existing product data. Often, either of these activities will involve participating in a review of product data or an engineering change action workflow prior to releasing the product data.		product data or make revisions to the existing product data. Often, either of these activities will involve participating in a review of product data or an engineering change action workflow prior to releasing the product data.			
C.4.4	Assemble and Certify TDP	As part of the TDP validation workflow within ACMS, the Configuration Manager will be able to retrieve a TDP Certification Display. The Configuration Manager will fill-in the TDP Certification Display and electronically sign-off on the certification. Once the task is completed, ACMS will route the certification and validated TDP to the Inventory Manager, completing the TDP validation workflow.	From: Replace with the following To: As part of the TDP Validation workflow within ACMS, the appropriate review personnel will be able to review and electronically sign-off or certify to the adequacy of the TDP. Once the review has been accomplished, ACMS will route the validated TDP to procurement completing the TDP Validation workflow. Explanation:	As part of the TDP Validation workflow within ACMS, the appropriate review personnel will be able to review and electronically sign-off or certify to the adequacy of the TDP. Once the review has been accomplished, ACMS will route the validated TDP to procurement completing the TDP Validation workflow.	Accept.	G Booker/C Crawford	AMCOM
D	APPENDIX D Glossary	This appendix contains an alphabetical listing of the acronyms and terms used in this specification. Definitions reference MIL-STD-2549 (Configuration Management Data Interface) and/or EIA/IS-649 (Standard for Configuration Management) where appropriate.	(PART 1)...From: ...To: ... Add: COOP ...Continuity of Operations Plan Explanation: (PART 2)...From: ...To: ... Add: JEDMICS Joint Engineering Data Management Information and Control System Explanation: (PART 3)...From: ...To: ....Add: JCALS Joint Computer-Aided Acquisition and Logistics Support Explanation: (PART 4)...From: ... To: Appendix D must be reviewed and reworked IAW all of the comments, including those to Appendices A, B, and C. In all cases, if there is a definition in MIL-STD-2549, that definition should be used. Definitions should be representative of "true" definitions not as they define ACMS functionality. If a definition has to be "couched' in ACMS functionality, then possibly we are misusing a term. Appendix D must be reviewed for the presence of terms not used in the document (e.g., EDL, Commodity Category).		Accept.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			Explanation:				
D	APPENDIX D Glossary		From: ...NEW ACRONYMS To: ...AMC Army Materiel Command, AMSC Acquisition Management Systems Control. Explanation: Update Glossary with new Tech Loop acronyms. (T0002)			Jim Cox	BDM
D	APPENDIX D Glossary		From: ...mixture of acronyms and explanation of terms To: ... compile into two sections one for acronyms and one for an explanation of terms Explanation: Editorial clarification or preference. If you set up list of acronyms then list all acronyms in the document.			Gordon Ney	AMSAA
D-1	APPENDIX D Glossary	Glossary page D-1	(PART 1)...From: .... Access Profile ...ACMS controlled product data and structures. To: ... . Access Profile ...ACMS controlled data and product structures. Explanation: (PART 2)...From: ... ... Ad Hoc Query ...ACMS which has not previously been prepared and executed to....To: ... Ad Hoc Query ....ACMS for a specific purpose or situation. Explanation: (PART 3)...From: ..... Ad Hoc Workflow... executors which has not previously been prepared and executed.To... Ad Hoc Workflow ...executors for a specific purpose or situation. Explanation: (PART 4)....From: ... Audit Status ...A predefined category defined by users to inform users of the current standing of an audit. To: ... Audit Status ...A category to inform users of the current stage of progress or development of an audit. Explanation: (PART 5)...From: ...To: ... Baseline Product Structures... A hierarchical collection of all parts, components, and assemblies comprising a particular product at a particular point in time, including its structure and data. Explanation:	Access Profile -- The set of parameters which are used by ACMS to determine whether a user is allowed to act (e.g., read, write, update, delete) on ACMS controlled product data and structures. Ad hoc Query -- A request for information from ACMS that is formulated for a specific occurence of a purpose or situation. Ad Hoc Workflow -- A modeled process which is automated and consists of a set of tasks and associated triggers, data, and executors that are assembled for a specific occurence of a purpose or situation. Audit Status -- A category to inform users of the current stage of progress or development of an audit. Baseline Product Structure -- A hierarchical collection of all parts, components, and assemblies comprising a particular product at a particular point in time, including its structure and data.	Accept with modifications to Ad Hoc Query and Ad Hoc Workflow. The response to AMCOM's comment on Access Profile is on hold pending resolution of the "data" vs. "product data" issue.	G Booker/C Crawford	AMCOM
D-2	APPENDIX D Glossary	Glossary page D-2	(PART 1) From: ... Modification of a product, the data and metadata related to the product. Change action examples include	CALS -- Continuous Acquisition and Life-Cycle Support. CDCA -- Current Document Change Authority.	Accept AMCOM comments with change from "Change Action" to "Engineering	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			engineering change proposals, deviations, waivers. To: ... Modification of a product, the data and metadata related to the product.Change action examples include engineering change proposals, and deviations. Explanation: Waivers no longer authorized. Is this an ACMS unique definition? Is change action defined in the applicable documents or an industry standard? (PART 2) From: ...Change Action To: ... Engineering Change Action Explanation: Is there a difference between a change action and an engineering change action?	Engineering Change Action -- A document defining modification of a product and/or data and metadata related to the product. COOP -- Continuity of Operations Plan. COTS -- Commercial-Off-The-Shelf.	Change Action" per AMSAA comment.		
D-2	APPENDIX D Glossary		(PART 1)...From: ...To: ... CALS ..Continuous Acquisition and Life-Cycle Support Explanation: (PART 2)...From: ...To: ... CDCA ...Remove the See in front of Current. Explanation: (PART 3)...From: ...To: ... Change Action ...A document defining modification of a product and/or data and metadata related to the product. Explanation: (PART 4)...From: ...To: ... COTS ...Commercial-Off-The-Shelf Explanation:			G Booker/C Crawford	AMCOM
D-3	APPENDIX D Glossary	Glossary page D-3	From: ...To: ... Dynamic Interface... A real-time exchange of data. Explanation:	Dynamic Interface -- A real-time exchange of data.	Accept.	G Booker/C Crawford	AMCOM
D-4	APPENDIX D Glossary	Glossary page D-4	(PART 1) From: To: " Add" Engineering Change Proposal (ECP) The documentation by which a proposed engineering change is described, justified, and submitted to the current document change authority for approval or disapproval. Explanation: Term is used and should be defined using MIL-STD-2549 definition. (PART 2) From: To: "Add" Engineering Change A change to the current approve configuration documentation of a configured item. Explanation: Term is used and should be defined using MIL-STD-2549 definition.	ECP -- Engineering Change Proposal. Engineering Change Proposal -- The documentation by which a proposed engineering change is described, justified, and submitted to the current document change authority for approval or disapproval (reference: MIL-STD-2549). Engineering Change -- A change to the current approved configuration documentation of a configuration item (reference: MIL-STD-2549). Explanation: Term is used and should be defined using MIL-STD-2549 definition.	Accept with minor modifications to capture exact MIL-STD-2549 language, but will need to confirm in the final document that these terms are still used.	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			(PART 3) From: ...Engineering Change Display To: ... Engineering Change Action DisplayExplanation: Proposed for consistent application of terms.	Engineering Change Action Display -- A predefined electronic display that represents a form and is created in ACMS to facilitate description and review of an engineering change actions.			
D-5	APPENDIX D Glossary	Glossary page D-5	From: ...To: ...GBL ...Generation Breakdown List Explanation:	GBL -- Generation Breakdown List	Accept.	G Booker/C Crawford	AMCOM
D-8	APPENDIX D Glossary	Glossary page D-8	From: .... associated list To: .....associated lists Explanation: Editorial Clarification	TDP -- Technical Data Package. Technical Data Package -- A technical description of an item adequate for supporting an acquisition strategy, production, engineering, and logistics support. The description defines the required design configuration and procedures required to ensure adequacy of item performance. It consists of all applicable technical data such as drawings and associated lists, specifications, standards, performance requirements, quality assurance provisions, and packaging details (reference: MIL-STD-2549). Tech Loop The business processes comprising the assembly, review, validation, update (if any), and dissemination of a Technical Data Package.	Accept.	Gordon Ney	AMSAA
D-8	APPENDIX D Glossary		From: ...To: ...Tech Loop The business processes comprising the assembly, review, validation, ... Explanation:			G Booker/C Crawford	AMCOM
D-9	APPENDIX D Glossary	Glossary page D-9	From: To: Add "Vault" needs to be defined. Explanation: CIM DATA definition The PDM system’s computerized data storage area and databases. Information stored in PDM vaults are controlled by system rules and processes.VPSCii has a definition in their guide www.summitsource.comHopefully we can get a definition that is acceptable. CIM Data’s seems too restrictive for ACMS.	Technical Baseline -- The collection of documents which are associated with a particular project. Generally, they serve to document the analysis and the rationales which were used to authorize the project to proceed past various milestones. Timed Trigger -- An action that is pre-defined and based on a certain time interval or date. Workflow	Accept.	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
				Capabilities -- Functionality associated with the creation, storage, implementation, modification, and monitoring of a pre-defined sequence of tasks and their associated data and executors. Work Queue -- An electronic listing of workflow tasks assigned to a particular user. Vault -- A logical computer data storage area, possibly distributed, and associated databases which maintain the integrity and security of stored data via controlled access through check-in and check-out features that restrict and track access in accordance with defined access permissions and rules.			
D-9	APPENDIX D Glossary		(PART 1) ..From: ...To: ...Timed Trigger An action that is Explanation: (PART 2)...From: ...To: ...Workflow Capabilities Functionality associated with ... Explanation: (PART 3)...From: ...To: ...Work Queue to a particular user. Explanation: (PART 4)...From: ...To: Technical Baseline Remove the (TECHBL). Explanation:			G Booker/C Crawford	AMCOM
G- 1	General Requirement #1	General Requirement	Need a forward, or a new appendix or both that describes how this document is intended to be used. The following is provided as a strawman to indicate content and focus. The intent is for Army acquisition organizations to use this document as a guide specification or template for the acquisition of an ACMS. The document can be used for acquisition of an ACMS for one site or a consolidated acquisition for more than one site. Tailoring will still be required for each site, or organizational element. As a guide specification this document can have many uses, when viewed from near term and long term perspectives. In the near term, implementing sites will tailor these requirements to meet local	FOREWORD added. See example in 98feb23/perfspec.doc.	Accepted. Added a foreword to the document. Moved AMSAA provided definition of ACMS to beginning of foreword text. Made minor edits to the text. See 98feb23/perfspec.doc.	Gordon Ney	AMSAA

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			needs and to reflect the state of the industry at the time of the implementation. Each of the Army's organizational elements or sites will be responsible for developing its local implementation. Each local ACMS implementation will need to tailor the requirements in this document. The requirements also are intended to leave enough latitude that individual vendors may respond with their solutions as to how to best to meet the requirements. Lastly, these performance requirements are a basis for selecting a small number of qualified products to then be evaluated during a demonstration (operational test) period. These requirements and the demonstration (operational test) results would form the basis for developing the final acceptance criteria. This document could also be used in a pilot implementation of MIL-STD-2549.In the long term, this document can be used to: describe the vision or target ACMS; filter candidate systems to a short list of top candidate systems; accept the down selected system for each site. The guide acquisition strategy for use of this document includes: a tailored acquisition strategy, tailored acquisition plan, tailored performance specification, statement of work, solicitation, test and evaluation master plan and operational test at each site, acquisition program baseline, source selection and evaluation criteria for contractor systems/proposals. Industry can meet most of the capabilities and requirements in this document today, in the near term. Some of the capabilities and requirements in this document are long-term in nature and are capabilities that are not now commercially available but will be available commercially by or before the year 2002. These long-term requirements are highlighted in table 6-1. A long-term				

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			requirement may be addressed as a separately priced option or technology refresh. ACMS DEFINITION: Automated Configuration Management System (ACMS) is a system of systems that provides configuration management support for end items and their product data in a paper-free acquisition and logistics environment. ACMS is based on Commercial Off The Shelf (COTS) Product Data Management (PDM) products.				
G- 2	General Requirement	General Requriement	A review of the Draft ACMS Performance Specification was accomplished. When a preparing activity is decided, the standardization office of that activity should be the organization to format the document.		No action required at this time.	G Booker/C Crawford	AMCOM
G- 3	General Requriement	General Requriement	Begin the document on the first page and delete logos. Specifications do not have cover pages.		Recoomend rejecting. This is not a cover page. It is the first page per MIL-STD-961D, para. 5.2 which defines first page information requirements. MIL-STD-961D does not require a logo, but MIL-STD-961D has a logo.	G Booker/C Crawford	AMCOM
G- 4	General Requriement	General Requriement	On all pages, delete line from top and bottom. Center the MIL-PRF-XXXXX.	See example in 98feb23/perfspec.doc.	Accept for the sake of document standards, but not for aesthetics.	G Booker/C Crawford	AMCOM
G- 5	General Requriement	General Requriement	Use the same type throughout the document (no capitalizing, bolding, italicizing, etc.).	See example in 98feb23/perfspec.doc.	Accept for the sake of document standards, but not for aesthetics. Using TimesNewRoman, 12 point, no bolding, no italics, no underlines under paragraph numbers, no periods after subject except when followed immediately by text, and only 1st word of subject is capitalized, indent subparagraphs.	G Booker/C Crawford	AMCOM
G- 6	General	General Requriement	Only the first word of the subject is capitalized.	See example in 98feb23/perfspec.doc.	Accept for the sake of	G Booker/C	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
	Requriement				document standards, but not for aesthetics. Using TimesNewRoman, 12 point, no bolding, no italics, no underlines under paragraph numbers, no periods after subject except when followed immediately by text, and only 1st word of subject is capitalized, indent subparagraphs.	Crawford	
G- 7	General Requriement	General Requriement	Begin the text on the same line as the subject, directly following the period following the subject.	See example in 98feb23/perfspec.doc.	Accept for the sake of document standards, but not for aesthetics. Using TimesNewRoman, 12 point, no bolding, no italics, no underlines under paragraph numbers, no periods after subject except when followed immediately by text, and only 1st word of subject is capitalized, indent subparagraphs.	G Booker/C Crawford	AMCOM
G- 8	General Requriement	General Requriement	Do not underline paragraph numbers or have a period at the end of the subject.	See example in 98feb23/perfspec.doc.	Accept for the sake of document standards, but not for aesthetics. Using TimesNewRoman, 12 point, no bolding, no italics, no underlines under paragraph numbers, no periods after subject except when followed immediately by text, and only 1st word of subject is capitalized, indent subparagraphs.	G Booker/C Crawford	AMCOM
G- 9	General Requriement	General Requriement	Indent subparagraphs.	See example in 98feb23/perfspec.doc.	Accept for the sake of document standards, but not for aesthetics. Using TimesNewRoman, 12 point, no	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
					bolding, no italics, no underlines under paragraph numbers, no periods after subject except when followed immediately by text, and only 1st word of subject is capitalized, indent subparagraphs.		
G-10	General Requriement	General Requriement	An appendix shall begin on the next page following the specification. The upper center of each page shall be marked with the specification identifier and the word APPENDIX two lines below the identifier. The title shall be located two lines below the word APPENDIX on the beginning page only. For example: MIL-PRF-XXXXX(XX) APPENDIX A ACMS PERFORMANCE SPECIFICATION	See example in 98feb23/perfspec.doc.	Accept. Moved concluding material and Form 1426 to end.	G Booker/C Crawford	AMCOM
G-11	General Requriement	General Requriement	Page numbers should appear on every page, except the first, and should be consecutive throughout the entire document.		Issue: Does the Task Force want the electronic document setup for double sided printing? If so, should the blank pages be numbered and include the phrase, "This page is intentionally left blank." Also, is the foreword page ii or iii (or 2 or 3), and is the first page of Section 1 page 1 or 3 or 5?	G Booker/C Crawford	AMCOM
G-12	General Requriement	General Requriement	Appendices are numbered consecutively following the last page of the specification.		Accept	G Booker/C Crawford	AMCOM
G-13	General Requriement	General Requriement	Page 1....Delete the footnote. This information is more appropriately located in definitions.		Would like to reject this comment. Definitions are already in the glossary. We are trying to highlight the use of product data, document, and metadata. If the Task Force wants to eliminate footnotes, we recommend including the footnote's text as paragraph 2 of	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
					1.2.2, ACMS Scope.		
G-14	General Requriement	General Requriement	PAGE 3....Subparagraphs delete boxes and substitute a., b., c., etc. (Specific Comments from the AMCOM Standardization OfficePage 1, para 1.2.1)	See example in 98feb23/perfspec.doc.	Accept for the sake of document standards, but not for aesthetics. Will replace the bullet boxes with letters throughout the document.	G Booker/C Crawford	AMCOM
G-15	General Requriement	General Requriement	State requirements in paragraph format, deleting the type of verification code. The reference numbers should be added at the end of each paragraph.		Accept, except both verification codes and original reference numbers are intended to be deleted for the final document. It was always our intention to do this, as well as stating the requirements in paragraph format.	G Booker/C Crawford	AMCOM
G-16	General Requriement	General Requriement	All tables are numbers consecutively throughout a document using Roman numerals in the order they are referenced in the text. The word TABLE shall be capitalized, followed by the Roman numeral and a period, followed by the underlined, italicized, or bold faced title. The first letter of the title shall be capitalized. Table titles shall be centered above the table and shall be on the same line with the table number.(Reference para 4.15.1 of MIL-STD-961)		Accept.	G Booker/C Crawford	AMCOM
G-17	General Requriement	General Requriement	Delete 4-1 and substitute I.		Accept.	G Booker/C Crawford	AMCOM
G-18	General Requriement	General Requriement	Change table number from4-1 to I.		Accept.	G Booker/C Crawford	AMCOM
G-19	General Requriement	General Requriement	(Page 43)....Concluding material is provided at the end of the document following any tables, figures, appendices, or indices and before the DD Form 1426.	See example in 98feb23/perfspec.doc.	Accept. Moves concluding material and Form 1426 to end.	G Booker/C Crawford	AMCOM
G-20	General Requriement	General Requriement	DD Form 1426.....This form follows the concluding material and is included as the last sheet of the specification.	See example in 98feb23/perfspec.doc.	Accept. Moves concluding material and Form 1426 to end.	G Booker/C Crawford	AMCOM
G-21	General Requriement	General Requriement	Delete the cover sheet for Appendices.	See example in 98feb23/perfspec.doc.	Accept for the sake of document standards, but not for aesthetics.	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
G-22	General Requriement	General Requriement	An Index must be created and be inserted following the Appendices (see MIL-STD-961, para 5.6)		Reject. MIL-STD-961D does not require an index. Refer to paragraph 5.6, Index. "An alphabetical index may be placed at the end of a specification to permit ready reference to contents. Its use shall be limited to lengthy specifications. If used, an index follows the basic specification and any appendix. The pages are numbered continuously following the last page of the basic specification or appendix, as applicable. The document identifier shall appear in the upper center of each page." The ACMS Performance Spec is not a long document and the Find function works better with electronic documents than an index does.	G Booker/C Crawford	AMCOM
G-23	General Requriement	General Requriement	An Acronym Listing should be created separate from the Glossary.		Accept. We plan on making Appendix D Acronyms and Appendix E Glossary.	G Booker/C Crawford	AMCOM
G-24	General Requriement	General Requriement	When referring to this Performance Specification, capitalize the P in Performance and the S in Specification throughout OR use lower case throughout to be consistent.		Accept. Will use lower case performance specification unless specifically citing the title of this document, ACMS Performance Specification.	G Booker/C Crawford	AMCOM
G-25	General Requriement	General Requriement	Where Weapon System is used throughout the document representing a commodity replace with Army product or Army program, as appropriate. Explanation: Repeat of comments to the CONOPS that were disregarded see Para 1.2.4.		Accept the specific suggestion of this comment and the related comment (1.2.4-16, AMCOM PART 2). Will search document for "weapons system" and "end item." Believe the CONOPS solution was to generally change "weapon system" to "weapons	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
					system/end item" or "weapons system and end item." Prefer the language proposed by AMCOM.		
G-26	General Requriement	General Requriement	Need to be consistent with the usage of e.g. or For example throughout the document. Use one or the other.		Accept. Will search document for "e.g." and replace with "for example."	G Booker/C Crawford	AMCOM
G-27	General Requriement	General Requriement	Need to be consistent with the usage of engineering change actions instead of ECPs throughout the document.		Accept. Will search the document for "change action" and "ECP," then replace with "engineering change action." Specific examples will be seen later when resolving specific AMCOM and AMSAA comments.	G Booker/C Crawford	AMCOM
G-28	General Requriement	General Requriement	From: ...To: .. Section 6 ....At the STRICOM there were many areas that were to be covered in this section for use by the implementing MSCs. They included but were not limited to SOW requirements, legacy conversion issues, interfaces at the time of acquisition, and other implementation issues. They are not here – where did they go? Explanation:		Recommend rejection. Have only been able to recall/find three such items. One was the request to add to the meeting minutes that STRICOM was to deal with legacy conversion requirements associated with MEARS/ACCESS in their SOW. This was put that in the minutes. The second had to do with adding something on Tech Refresh and a modern architecture into Section 6. This was done with paragraph 6.2.1d. The third was to identify requirements that should be deferred in Section 6. Table 6-1 (now Table II or III) accomplishes this. The only other possiblity we are aware of is the adding of parenthetical remarks to requirements that are to be tailored at implementation. We did not	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
					add this to all the requirements that needed them. BDM wrote comments to add the remarks to the affected requirements. If desired, a table can also be added to Section 6 that identifies these requirements. Recommend leaving the parenthetical remark on each requirement. Otherwise, some of them do not make sense. Lastly, the foreword provided by AMSAA may also address some of these concerns.		
G-29	General Requriement	General Requriement	From: ...To: ... Appendices A, B, and C ....The AMCOM comments for these appendices will be submitted ASAP. Explanation:		No action at this time.	G Booker/C Crawford	AMCOM
G-30	General Requirement	General Requirement	Where will the disposal requirements be placed ?		Currently, there are not disposal requirements.	G Booker/C Crawford	AMCOM
G-31	General Requirement	General Requirement	Throughout the document, including the appendices, the term "data" has been replaced by "product data". We believe that this change is incorrect in that it limits the true intent of the system. In paragraph 3.1.1.1.1.2, the words were specifically put in to include administrative data. In addition, there are other kinds of data – financial, test and evaluation, and packaging, just to name a few. By putting the word "product" in front of all data, and then defining product data as being synonymous with engineering data, we are automatically excluding all other kinds of data from this performance spec. This fix must be implemented very carefully because now "metadata" references have been removed and must be reinserted as required.		Reference file data-rsp.doc for explanation/discussion.	G Booker/C Crawford	AMCOM
G-32	General Requirement	General Requirement	Remove the word "editable" as it is being applied to displays. (from apendices A, B, &		Accept comment with request for guidance. Per earlier Task	G Booker/C Crawford	AMCOM

req. id	req. category	requirement	comment	resolution	justification	reviewer	msc
			C).		Force guidance, we have removed the term "electronic form" which to us, seems to most clearly convey what is intended. We tried "editable display" in place of this. We agree this is a poor choice. We are not sure "display" alone conveys that the user may input and edit information. It appears that the relevant requirement and paragraphs are the following. If the Task Force wishes we will change the references in these places to "display," "electronic display," "on-line display," or whatever is decided is the best term. We are out of suggestions, other than "electronic form." 3.1.1.7.4.5, A.2.5, B.1.2, B.1.3, B.1.4, B.2.1.2, B.2.1.2.1, B.2.1.2.2, B.2.1.2.7, B.2.1.2.10, B.2.2.2.1, C.2.1, C.3.1, C.3.3, and C.3.4.		